CHEMISTAND DRUGGIST

For Retailer, Wholesaler and Manufacturer

MAY 9 1959





CODEINE

Codeine Phosphate B.P. "Special" - Smith, has a specification which makes it of interest to tablet manufacturers.

CHRYSAROBIN

Chrysarobin B.P.C. 1949 now available for prompt delivery; quotations on request.

CASCARA

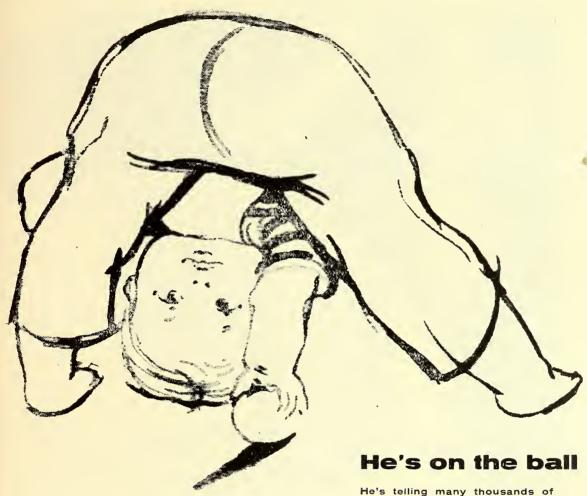
All official preparations of Cascara Sagrada, including Dry Extract B.P., granular, for tabletting.

EPHEDRINE

Enquiries invited for Alkaloid, Hydrochloride and Sulphate. Prompt delivery from stock; competitive prices.

HYOSCINE

Alkaloid, Hydrobromide and Methylbromide, large or small quantities at keenest rates.



me's telling many thousands of mothers every week (through the women's magazines) that fast growing bodies need the essential nourishment so well provided in FAREX. Pharmacists who benefit most from this campaign are those whose FAREX displays are bold, well placed and include the latest showcards and crowners.

They're on the ball...

FAREX

are you?

Made with all the experience of Glaxo Laboratories

GLAXO LABORATORIES LTD GREENFORD, MIDDLESEX BYRon 3434

Farex is available in most countries



PACKS AND
TRADE PRICES:

TRADE PRICES:

1 doz. x 10-oz cartons 12/10

2 doz. x 10-oz cartons 24/- *

(a Glaxo 'top-profit' parcel) .

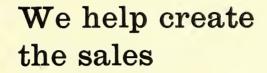
Retail price 1/4



U.K. Distributors

CHEMICALS TRADING COMPANY LTD.,
102 Bishopsgate
London, E.C.2







Cow & Gate products provide for mothers and mothersto-be before, during and after Baby is born. By our established continuity of advertising in the National, Provincial Press and the use of full colour pages in the Magazine Press we help to bring customers to you. Make sure you are well stocked up to meet the ever increasing demand

HOOD, ROYAL BARE

We shall be pleased to send you attractive display matter if you will let us know your requirements.

Please address your enquiries to

Cow & Gate Ltd. (Dept. C.D.) Guildford, Surrey.







The most powerful energising of all NATURAL tonics ROYALJELLY 'Laidabei

(Pronounced: Lay-da-bay)



BEES MILK

> in 26 drinkable ampoules

This unique substance is claimed to be the most powerful and energising of all natural tonic food supplements. It is absolutely pure and beneficial to all ages. Remarkable results are daily reported, even by the ageing, of improved well-being and general health tone, mental and physical alertness and staying power. LAIDABEILLE helps to banish fatigue, increase vitality, rectify vitamin deficiency and has a natural tranquillising effect. Extensive medical tests have proved its efficacy.

LAIDABEILLE is made up of Royal Jelly, 1250 mg. in liquid honey. Queens' embryos, 150 mg. (rich in amino acids) have been added to it in order further to increase the beneficial action. No similar product available in drinkable ampoules contains so much pure Royal Jelly.

The demand for LAIDABEILLE is rapidly increasing. Are you participating in this demand?

MAY BE MEDICALLY PRESCRIBED ON NATIONAL HEALTH FORM E.C. 10

Agents and Distributors required in Great Britain and the Commonwealth Countries.

Also for

MEDICINAL PEAT

scientifically developed and produced from specially sited sub-fossil peat moors at Vorarlberg, Austria, Indicated for: arthritis, rheumatism and gastro-intestinal disorders.

Sole Concessionaires

E. HOBSON LTD.

> 46 Crooked Billet, London, S.W.19 Tel: WIM 0402

Now hayfever's here

PROVED REMEDY. Right now unfortunate hayfever victims look to you for relief. Put your experience to work. Recommend Besorbon, the proved fast acting medicinal snuff.

EACH BESORBON PACK is completely hygienic and fits neatly into your customers' pockets. Comprehensive directions are enclosed inside.

INCREASE YOUR SALES. Stock Besorbon by the dozen. Obtain the attractive counter unit free. By displaying Besorbon prominently now you'll gain more sales-more profit.

It's big selling for

BESORB

MEDICINAL SNUFF

KEMSALES LTD., EASTCHEAP, LONDON, E.C.3

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Prepared primarily for pharmacists, the Dictionary is indispensable also for pharmaceutical manufacturers, advertising agents concerned with the marketing of medicinal products and indeed all who have to find their way around among the multifarious medicinal compounds of modern times.

Order direct from:

PRICE 17/6, Postage 9d.

THE CHEMIST & DRUGGIST

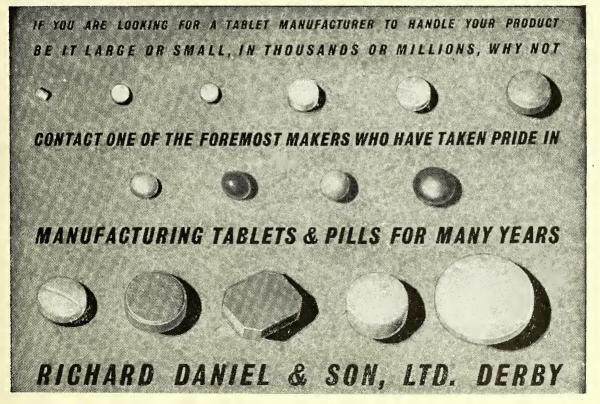
28 ESSEX STREET, STRAND, LONDON, W.C.2

BURROUGH'S JAMES BURROUGH LTD. 1 CALE DISTILLERY LONDON S.E.11

UMMER THEY'LL BE ASKING FOR KEEP YOUR STOCKS UP ORDER TODAY from your usual supplier CTORY FACTORIES . NELSON . LANCS

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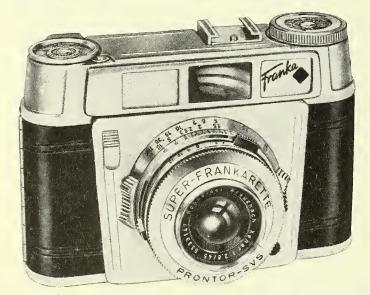
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SUPER FRANKARETTE RII is the camera



SCHNEIDER Xenar f/2.8/45 mm 4-element lens, colour corrected, with anti-reflection coating.

THEY'LL BUY

- Prontor SVS exposure value 9-speed shutter.
- Built-in coupled rangefinder.
- Suspended frame luminous viawfinder with automatic parallax compensation.
- Synchronised for flash at all speeds.
- Automatic film counter—20 or 36, 35 mm exposure cassettes.
- Unique transport film system positively eliminates film scratch—and a host of other refinements.

Ever-ready case £2.18.2

£31.16.6

Attractive Colour Leaflet—available to stockists—gives full details of the 35 mm Franka Camera range. Extensive advertising from now on.

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YOUR CUSTOMERS are bound to see our advertising for 'Alkathene'. Colour pages in women's magazines; 30-second T.V. commercials; a 2-minute colour film. They all say 'Look for the 'Alkathene' label'. And your customers will look for it,' when they come into your shop.

It will certainly pay you to sell goods labelled 'Alkathene'. The label is a sign of good quality and reliability.

To meet the growing demand, make sure you have plenty of goods labelled 'Alkathene'. Display them well and cash in on this forceful publicity drive.

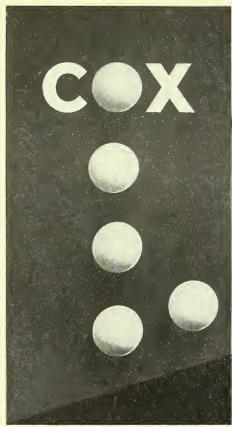
FREE DISPLAY MATERIAL

to link your shop with 'Alkathene' national advertising, available on application through your usual trade channels or direct to Publicity Dept., Plastics Division, Imperial Chemical Industries Ltd., Welwyn Garden City, Herts. Shelf cards can be obtained from individual manufacturers.

'Alkathene' is the registered trade mark for the polythene manufactured by I.C.I.

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The COX organisation offers a complete manufacturing and packaging service for retailers, wholesalers and proprietary brand Houses.

It is backed by 120 years' experience in studying the

needs of pharmacists.

Tell us about your requirements and we will explain how beneficial this service can be to YOU.

ARTHUR H. COX & CO. LTD. BRIGHTON ENGLAND THE FOREMOST TABLET HOUSE



An addition to the 'MYCIL' range

'MYCIL' SPRAY

TRADE MARK

(containing 1 per cent chlorphenesin in a pressurised pack)

- * For the treatment of athlete's foot.
- * Specially formulated to assist deep penetration of chlorphenesin into the skin layers.
- * Quick and easy to apply.
- * Clean and convenient for regular use.
- * Economical for prolonged treatment.
- * Ideal for mass treatment.

For a companion sale 'Mycil' Powder is an effective application for the patient's socks and shoes.

PRICES 5/10 10/3 incl. P.T.

THE BRITISH DRUG HOUSES LTD LONDON N.1



The New AGIFLASH @@



Rear Mr. Chemist,
This is the newest.

lightest, brightest, best designed and most smartly styled camera of the year-handy to take and use anywhere. Supert for making 12 Colour Grapshoto or Colour-Slide Trans parencies or Black and White prints using a 127 film. Standard enlarged Colour and Black and White prints 32×32".

Colour Slide Transparencies 2"X2". All these wonderful features are backed by national advertising so send for the four colour pamphlet, price list with quantity dis counts and details of the Agilux hive purchase scheme.

£2.15.0/

it's the sweetest camera you've ever seen



PURLEY WAY · CROYDON · ENGLAND ---

NEW FROM PEARS First Bak



You yourself well know the remarkable paties of Roccal. Now it's in Pears Baby Powers is just as safe, gentle, fragrams soothing as other baby powders, but the Roccal, it has far greater protective and palactic powers. It is effective against a wide of skin organisms and, in particular it destrebacteria that cause Ammonia Dermatitis.

1/11 Ref

* Active ingredient: 0.2% Benzalkonium Chloride.

This is how we're backir New Pears Baby Powde

*Impressive double page and whole page ad the most widely read mother-and-baby mag

*Special advertising to nurses and midwiv

*Attractive display material for your shop

May we count on your supp

Your advice as a chemist counts for a ver deal, and by recommending this remarkat powder to your customers, you will be reather a service.

*Pears are regd. users of Trade Mar

stock PEAR!

Powder with Roccal*



Pears New Baby Powder medicated with hospital antiseptic Roccal*

narkable New Pears Baby Powder is as gentle, and soothing as the powder you're now using T GIVES FAR GREATER PROTECTION TO YOUR

use it is medicated with a special hospital tic, New Pears kills harmful skin bacteria and kin troubles starting. Above all, it destroys

ammonia-forming bacteria and so removes the most frequent cause of nappy rash. And New Pears is a deodorant too.

Now you know about this remarkable new baby powder, how can you be satisfied with anything less for your child?

Important news for midwives and mothers

A Baby Powder with far greater protective and prophylactic powers

ars New Antiseptic Baby Powder is first in Britain to be medicated with cal*, the well-known hospital anti-

e of Roccal gives Pears protective and prophylwers far greater than any other baby powder. new Pears powder is effective against a wide skín organísms and, in particular, it destroys ría which cause Ammonia Dermatitis, This ent form of nappy rash can be completely by dusting nappies thoroughly with the er. And, to add to its remarkable propero an extremely effective body deodorant. ears is such a powerful prophylactic it is toxic, and has all the gentleness, frashness of ordinary haby powder. mmend this remarkable new powder to with absolute confidence. It gives so otection to their babies

Hive Ingredient; 0.2% Benzalkonium Chloride

Pears are regd, users of Trade Mark Roccal

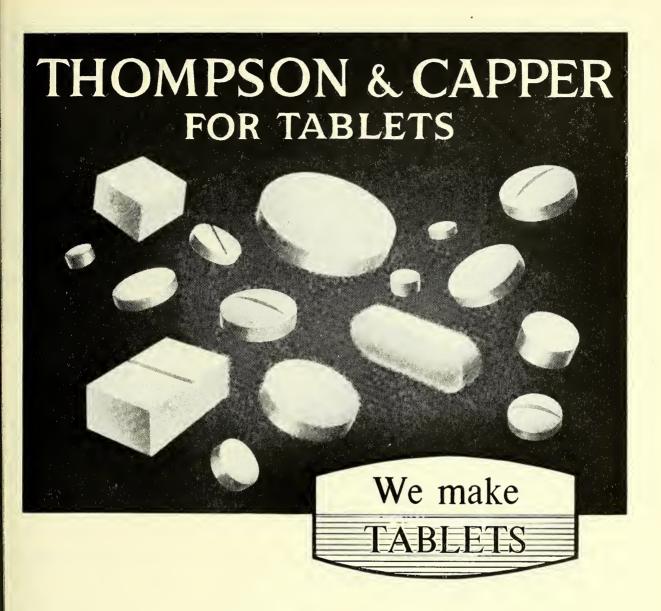
lothers know about Pears Antiseptic Baby Powder

D. USERS OF TRADE MARK ROCCAL



aby POWDER





Competitive Prices and first-class "Own Name" label service for Tablets of Aspirin and Compound Codeine Tablets.

So many people think of Thompson & Capper when they want good tablets, because only the best is good enough.

If it's official tablets you're after, or you would like to see your product in tablet form, then Thompson & Capper are the obvious choice.

Whatever your needs in the way of tablets, you can depend on Thompson & Capper.

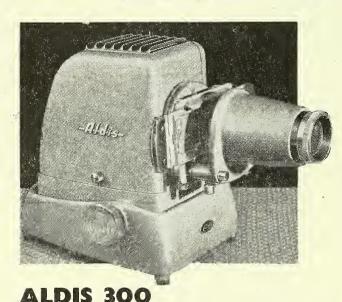
THOMPSON & CAPPER LTD.

MANUFACTURING CHEMISTS, SPEKE, LIVERPOOL, 24

Telephone: Hunts Cross 1321

ALDIS CUT TH

Outstanding performance and quality hav made Aldis projectors popular. Now-increase sales, and specialised "know how" by Ald experts, have made possible furthe price reductions to cut the cost of viewing



A 300 watt projector with great screen brilliance and picture detail. Convection cooling enables films or slides to be left in position for long periods when required. Lamp, condensers, and heat filters easily removed for cleaning.

Projector complete with 8.5 c.m. f/2.5 Aldis anastigmat lens and 2" x 2" slide carrier.

RETAIL PRICE NOW ONLY £16.16.0

Projector complete with 10 c.m. f/2.8 Aldis anastigmat extra-hard coated lens and 2" x 2" slide carrier.

RETAIL PRICE NOW ONLY £18.15.6



300w. lamp £1.14.3

ALDIS 500

A 500 w. blower-cooled projector that is ideal colour transparencies. Its tremendously increa illumination has been made possible by the las mains voltage Biplane projector lamp. The Al 500 (and Aldis 300) will take the Airequipt au matic slide changer, a film strip carrier or a mi projector attachment.

Projector complete with 8.5 cm f/2.5 Al anastigmat lens (giving a 5ft. picture at 12ft.) ? 2" x 2" slide carrier.

RETAIL PRICE NOW ONLY £21.0.

Projector complete with 10 cm. f/2.8 Al anastigmat extra hard coated lens and 2" x 2" sl carrier.

RETAIL PRICE NOW ONLY £22.19.

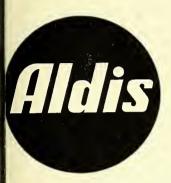
500w. lamp £2.4.6

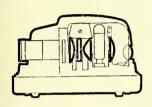
Filmstrip carrier £3.

All our advertisements tell the public to come to you-the dealer. We do not make direct retail sales.

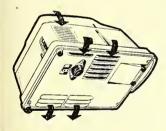
NEVILLE BROWN & CO. LTD

COST OF VIEWING





he Aldaspheric optical system includes oth aspheric and plano-convex condenrs, chrome-plated spherical reflector. nd heat filter, and produces maximum lumination from 300w lamp.



ne most advanced extraction cooling stem has been incorporated, keeping e whole projector cool to the touch d extracting all the warm air well vay from the operator.



e slide carrier accepts all metal, plastic rdboard or glass slides which come ithin B.S.I. dimensions for 2in. x 2in. uare slides. The slide is held in the focal ne by pressure springs: even slides hich are a loose fit will be in focus.



ALDIS 303

DESIGNED to give the brightest possible picture with the coolest projection. The Aldaspheric optical system will project a picture 5ft, wide at a distance of only 12ft, and a proportionately larger picture at greater distances. Revolutionary extraction cooling protects valuable transparencies. Streamlined, modern design greatly enhances the appearance of the Aldis 303. It is completely protected from dust or accidental damage by the strong carrying cover which clips over the projector when not in use. See some of your 35 mm.



transparencies on the Aldis 303you'll be surprised that such an advanced projector can be priced so moderately.

RETAIL PRICE NOW ONLY

£19.19.0

complete with protective cover

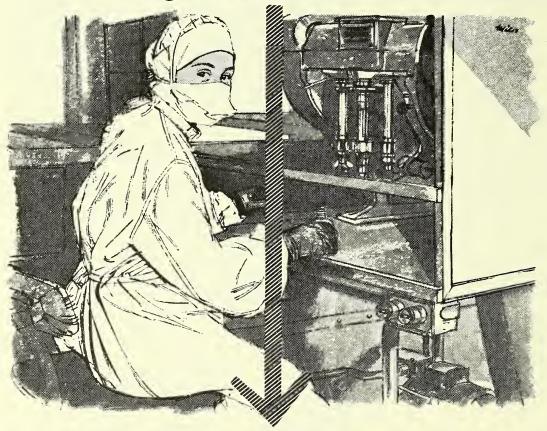
300w. lamp £1.13.0

The Aldis 303 will take the Airequipt Automatic Slide Changer: it only takes seconds to remove the slide carrier and replace it with the Airequipt.

NEWMAN STREET, LONDON, W.I Tel. (rear of building) LANgham 7161 (10 lines)

Trade Counter: 3 BERNERS MEWS, W.I

as Nylon goes to work



Nylon work wear saves money not only on a cost-for-life basis but also indirectly by reducing running costs and by increasing efficiency all round. Overalls, Lab. Coats, Clean Area Suits, Aprons and Gloves—all are available now in nylon. All have these important advantages:—

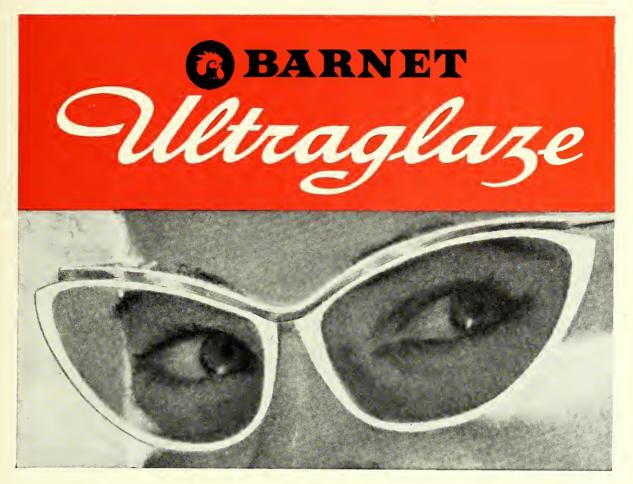
Easy laundering Lint-free

Longer, smarter wear Better hygiene Shrink-proof Light and comfortable

Write to BRITISH NYLON SPINNERS LIMITED .

Marketing Department, 68 Knightsbridge, London, S.W.1, for your free copy of 'NYLON'S OVERALL ADVANTAGES'.





The stylish lightweights with the Guaranteed Crookes Glass Lenses

Powerful display spaces throughout June and July in the Daily Express, Sunday Pictorial and Woman's Own. Supported by 7 second spots and 60 second magazine features on London, Midlands and Northern Television.

And for wonderful BARNET sunglasses selling from 2/- to 7/6 ask to see the new LEADER RANGE

Order quickly from your wholesaler!

Yes, the sunglasses with everything for top sales this summer... top styling...top value (only 12/6 & 15/6)...top TV and Press support...top impact in unique **FREE** sales dispensers...

TOP PROFITS

E. R. HOLLOWAY SALES LTD., BESSEMER ROAD, WELWYN GARDEN CITY, HERTS. WELWYN GARDEN 4444

Fashion Fruit ...

... glowing, provocative, fashion's darling ...

PINK TANGERINE



GOYA creates Pink Tangerine in the silkiest, longest-lasting lipstick ever, glowing with brilliant colour, for the woman who wants to be 'in the vogue'.

GOYA advertises Pink Tangerine, with glorious colour, and some of the loveliest pictures yet, in all the leading women's magazines:

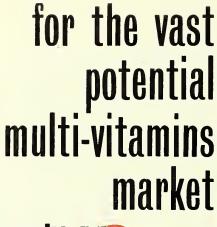
Have you seen them in **SHE**, **VANITY FAIR**, **EVERYWOMAN**, **HOUSEWIFE** (They've made a sensation!) Look for them in **WOMAN**, **MODERN WOMAN**, **PHOTOPLAY**, and fashion's top leader—**VOGUE**.

GOYA gives you attractive, dynamic displays for your window, your counter. Please use them and let your customers know you're in the fashion swim.

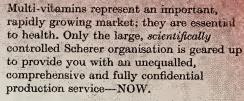
GOYA leads fashion again, with Pink Tangerine. 'Vogue' endorses it as the season's most important colour.

Already, it's a wild success. Already, lips are brilliant with it. And with so much beautiful advertising and display, you can't help selling PINK TANGERINE by GOYA.





only R.P. cherer can provide the complete capsule service you demand



LABORATORY CONTROL Scherer's Triple Guarantee

1. All materials analysed on delivery. 2. All mixes analysed before encapsulation. 3. All capsules analysed before despatch and protocols available on request.

PROTECTION

Hermetic sealing ensures the perfect, permanent protection, essential with many vitamins.

YOUR SAFEGUARD

Thousands, or millions, of gelatin capsules can be produced completely to your formula-in colours and shapes exclusive to you.

ACCURACY

Fill tolerance to within 1%.

COMPLETE SERVICE

The Scherer service means no capital outlay on your part; you supply your formula, and the encapsuled products, guaranteed, will be delivered to you complete—even strip packed if you wish.

can encapsulate herer Ltd. please ask for details most pharmaceuticals—

R. P. SCHERER, Ltd., 216-222 BATH ROAD, SLOUGH, BUCKS, 'Phone: SLOUGH 21241.

'SUPER PROFIT' BONUS OFFER

FOR SPRAY-TAN BRITAIN'S TOP-SELLING SUNTAN SPRAY

Extra Sunshine Profits...

every dozen ordered shows a real profit of £2.5.7-and an extra 7/3d. profit if you order 2 dozen.

Orders must be received before May 31 to qualify for Bonus Terms.

BONUS OFFER TERMS

- * 13-to-the-dozen on every dozen ordered before
- 31st May, 1959

 ★ Orders for 2 dozen or more will receive an additional 5% discount.

Offer closes 31st MAY, 1959

NATIONAL ADVERTISING

Ever since Easter 1956 when it was launched, Spray-Tan has led the way in powerful and aggressive Advertising and Sales Promotion. For 1959, the "Daily Mirror", "Daily Express" and "Reader's Digest" have been selected to carry those high-impact advertisements that will raise Spray-Tan sales higher than ever before. Be sure you have adequate stocks and buy them at best terms by ordering before the Bonus Offer closes.

Holiday-makers will read these powerful Spray-Tan advertisements at the very time that the purchase of suntan preparations is foremost in their minds. Link your displays to this National Advertising by using the attractive display material sent with every Bonus Order.

Sole Distributors:

FASSETT JOHNSON 86 CLERKENWELL ROAD, LONDON, E.C.1 • 139, BATH STREET, GLASGOW, C.1

For Cosmopolitan Brands. London—Paris—New York



SPRAY-TAN

LIST PRICE

73/- per dozen RETAIL SELLING PRICE 12/2d. each (inc. P.T.)

FURTHER CLINICAL PROOF

Only Spray-Tan contains Fluid Filter F 29:31, the amazing sun filter that gives "Twice the Tan in half the Time!"

Controlled tests conducted by independent Pharmacists in the hot sunshine of Southern Italy, proved conclusively the effectiveness of this unique filter. It allowed the subjects to acquire a deep pigmentation quickly, without burning or irritation

(c.f. Feuillets Medicaux No. 42 February, 1959).



just round the corner With summer now is the time to stock up and The bonus terms. profit from

Nationwide Publicity for Lacto-Calamine

Generous Bonus Terms

with Lacto-Galamine

will make 1959 a great year for the leading protective, antiseptic powder base and skin food ... and a profitable year for you!

CROOKES LACTO-CALAMINE LOTION now available in three popular sizes.

The handy new 2 oz. bottle retails at 2/5 The handbag size 1 oz. bottle retails at 1/71/2

The family size 4 oz. bottle retails at 3/2½



FIGGERROLLS will help to increase your sales of STARCH-REDUCED ROLLS

A NEW FLAVOUR FOR DIABETICS AND SLIMMERS

Diabetics and slimmers alike will welcome the appetising whole wheat flavour of starch-reduced Figgerrolls—crisp and delicious, they are a delicious break in the monotony of an ordinary low starch diet. Figgerrolls are made with nutritionally valuable fresh wheat gluten, and they are enriched with specially processed wheat germ and the most nutritious parts of the bran. In the manufacture of Figgerrolls every

care is taken to ensure that each roll contains the stated amount of protein.

Pro Can Fair Sal

ANALYSIS

For diatetic or medical purposes

| | Gm | ./oz. |
|-------------------|----|-------|
| Protein (N X 5.7) | | |
| Carbohydrates | | 11.7 |
| Fat | | |
| Salt | | 0.6 |

Calories 107 per oz. Four Figgerrolls weigh approx. 1 oz.

TRADE TERMS

12 x 30 roll packs 24/- per case 24 x 10 roll packs 23/- per case Order from your usual wholesaler

WHITWORTH'S STARCH-REDUCED

FIGGERROLLS

WHITWORTHS HOLDINGS LIMITED · WELLINGBOROUGH · NORTHANTS



Because surgical stockings have a limited life, *somebody* must derive benefit from 'repeat sales' to customers with leg afflictions. That 'somebody' can be *you*—if you dispense 'Lastonet' Stockings on N.H.S. prescriptions brought to your shop. Here's why:

LASTONET Elastic Net Stockings, being made individually to each customer's own measure, provide better support, fit more accurately, and look better under the wearer's own nylons. **LASTONET** airy-cool, openweave elastic net fabric is wonderfully comfortable, and supports without chafing or restriction.

LASTONET are made with light-resistant rubber, which lessens perishing, and ensures retention of fit.

LASTONET will please your customers so much, that they'll return to you for subsequent stockings . . . and of course, additional purchases of other requirements.

FOR QUICK DELIVERY— EXCELLENT PROFIT MARGIN AND REPEAT SALES



Display Material and Measurements Forms from:
LASTONET PRODUCTS LIMITED, CARN BREA, REDRUTH, CORNWALL.

EUROPE'S BIGGEST SELLING SUN TAN OIL IS HERE!

1,750,000 *British visitors to the continent each year — they've seen and most likely used AMBRE SOLAIRE. Now they can buy it at home.

* B.T.H.A. estimate

Outstandingly Generous Introductory Offer-A to the dozen
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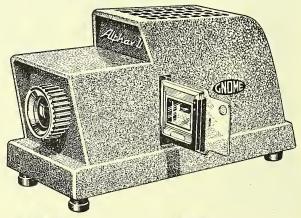
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THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 171

May 9, 1959

No. 4133

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PUBLISHED BY

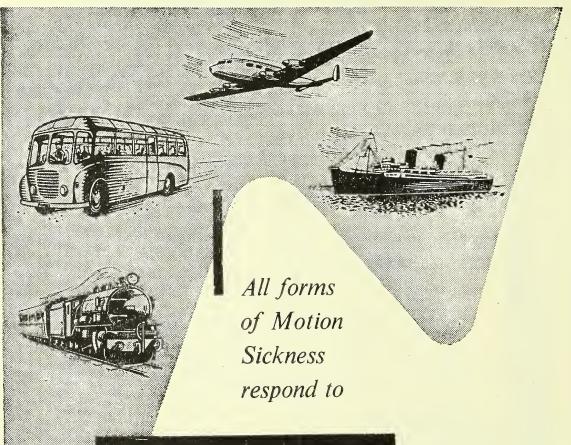
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CHEMIST AND DRUGGIST

Volume 171

MAY 9, 1959

No. 4133

"Not Misconduct"

RULING ON COMPANIES' ADVERTISEMENTS

THE Statutory Committee of the Pharmaceutical Society decided on May 6 that two advertisements by associated companies (which had been considered at a previous meeting of the Committee, see C. & D., March 21, p. 308) did not constitute "misconduct which would render [a member] unfit to have his name on the register."

The Committee decided that the advertisements did advertise the dispensing of medicines. In view, however, of the fact that the Lancashire company's advertisement contained no express reference to dispensing services; that the Northern company's advertisement went little beyond a bare statement of the hours for which the service was available; and that the 1953 "code," by its reference to "wording which could reasonably appear on a professional or business visiting card," might have left some uncertainty as to what could, without impropriety, be included in a Press announcement; and because the language and layout of the advertisement were not undignified, the Committee wcre not of opinion that publication of either of the advertisements constituted misconduct such as would render a pharmacist unfit to have his name on the register. Accordingly the Committee gave no direction on either of the com-

Management Efficiency

ADVISORY COUNCIL FORMED

"TO advise generally on measures for improving efficiency in the National Health Service in England and Wales" are the terms of reference for the National Health Service Advisory Council for Management Efficiency (England and Wales), the appointment of which was announced by the Minister of Health during question time in the House of Commons on May 4. The Council is to concentrate in the first instance on problems connected with the hospital service. The members have been invited to serve on the Council because of the personal contribution they can make as a result of their experience in the hospital service or in the promotion of management efficiency in other fields. The chairman, Sir Ewart Smith, F.R.S., who recently retired from the deputy chairmanship of Imperial Chemical Industries, Ltd., is an expert on work study and management efficiency, Mr. M. W. Perrin. C.B.E., F.R.I.C. (chairman, Wellcome Foundation, Ltd.) has been appointed to serve on the committee, which consists of twelve members.

Scottish Department

NOMINATIONS FOR EXECUTIVE

NOMINATIONS for candidates for election to the Executive of the Scottish Department of the Pharmaceutical Society should be submitted to the Resident Secretary, 20 York Place, Edinburgh, on or before May 13. There are six vacancies to be filled. The retiring members are:—W. C. D. Bain, Aberdeen; J. W. Goodchild, Brightons-by-Falkirk; F. Hepburn, Edinburgh; C. W. Macfarlane, Dundee; M. S. Maconochie, Dundee; A. Officer, Glasgow. The annual report of the Executive 1958-59 shows a total expenditure of £15,727 (against £12,849 in 1957). The examination expenses amounted to £7,470 (£7,189). The number of members resident in Scotland is 2,912, which is 25 less than last year. Referring to the National Health Service the report states that "The revised scale of dis-

pensing fees is continuing to produce a figure reasonably near the average of 1s. 8d., and it seems unlikely that any adjustment of the scale will be necessary in the near future." The report also contains an acknowledgment of the helpful co-operation of Scottish Agricultural Industries. Ltd., during the action which was taken concerning the illegal use of Cymag in salmon poaching.

Medical Records

HOSPITAL SYSTEMS REVIEWED

A SUMMARY of ideas and practices which could contribute to efficiency in the maintenance of medical records and the provision of medical secretarial services in certain hospitals is given in the second of the Hospital Offices and Medical Service Reports (H.M. Stationery Office, 2s.). The suggestions are based on the examination of medical records work in fifteen hospitals.

British Standards

CONVERSION FACTORS AND TABLES

"CONVERSION factors and tables"—otherwise B.S. 350—is being revised, and the first part has now been published as a fully indexed volume: B.S. 350: Part I. The book provides the basic information on units and comprehensive tables of conversion factors. Part 2, to be issued later, will widen the range of tables.



WEEK-END SCHOLARS: A group at the week-end school of the Guild of Public Pharmacists, held at Nottingham University April 24-26 (see p. 509): Messrs. W. G. Smith and A. Royce, Miss M. A. Burr (a member of the Pharmaceutical Society's Council), Messrs. C. E. Forster and J. W. B. Fish (Guild president), and Miss J. K. Cooper.

Bursaries for Designers

AWARDS BY ROYAL SOCIETY OF ARTS

EVERY year the Royal Society of Arts makes awards of bursaries, usually of £150 in value, to young British designers in branches of industry in which design is of primary importance. The classes include laminated plastics; typography; and packaging. Winners in those classes this year were Miss S. C. Williams (Stockport School of Art), Mr. R. H. Broughton (Leicester College of Art) and Mr. M. P. McGann (Twickenham Technical College). Their designs, with those in the other classes, may be seen at an exhibition open till May 15 at 18 Adam Street, London. W.C.2 (Monday to Friday 10 a.m. to 5.30 p.m.; Saturday, 10 a.m. to 12.30 p.m.). It will subsequently be shown at the Belfast, Birmingham, Edinburgh, Falmouth, Newcastle-upon-Tyne, and Stoke-on-Trent Colleges of Art.

Efficiency Comparisons

A NEW SERVICE FOR MANAGEMENTS

THE British Institute of Management, in association with the British Productivity Council, has set up a Centre for Interfirm Comparison. The function of the centre will be to provide the managements of businesses with key figures showing how operating performance and financial results compare with those of similar firms within the same industry or trade. All those taking part will first have anonymously contributed figures to a common pool. The comparisons indicate where there is need for improvement and reorganisation if competitive standards of performance are to be achieved. They also suggest the directions such improvement should take. Office of the new organisation is at 80 Fetter Lane, London, E.C.4.

Cosmetic Chemists

INTERNATIONAL FEDERATION SET UP

AT a meeting in London on April 15 representatives of eight countries (Belgium, Denmark, France, Germany, Great Britain, Norway, Sweden and the United States of America) discussed forming an International Federation of Societies of Cosmetic Chemists. They reached agreement on a provisional constitution (to be finalised at a second meeting) and set up a provisional secretariat at 2 Lovers Walk, London, N.3 (final headquarters to be agreed). The Federation will operate in such fields as international standards, professional status, and the publication of bulletins, abstracts and reviews.

Chemical Manufacturers

EUROPEAN CENTRE TO BE FORMED

IN view of the number and scope of the problems facing the chemical industries of these countries at the prescnt time, the Austrian, Belgian, British, Dutch, French, German, Italian, Swedish and Swiss Chemical Manufacturers Associations have decided to improve their collaboration and contacts by setting up a Centre Européen des Federations de l'Industrie Chimique (C.E.F.I.C.) the secretarial services of which are entrusted to the Swiss Association in Zurich, C.E.F.I.C. is a working agency of the directors, and will be responsible for organising their meetings and for the exchange of information.

IRISH NEWS

THE REPUBLIC

Working as a "Rep"

IMPORTANCE OF CHOOSING ONE'S FIRM

" PHARMACEUTICAL Representation as a Career" was the title of a lecture given by Mr. Stuart W. Kipling, B.A., M.P.S. (manager of the professional service, Geigy Pharmaceutical Co., Ltd.), in Dublin, on April 21. "A pharmacist entering the field of pharmaceutical representation should have a long-term policy in mind when choosing the company he intends to work for, Mr. Kipling told his audience, adding that it was best to pick a company that was backed by a research organisation so as to have the knowledge that the products one was selling were original. and not products manufactured by several other makers. Mr. Kipling described the training a medical representative received before going to work for a large pharmaceutical company. He stressed the importance to have a background of pharmacy and a knowledge of pharmacology. Reminding his lis-teners that medical representatives were not super-salesmen, Mr. Kipling said that they must advise the doctors correctly on the use of the products manufactured by their company, pointing out both their therapeutic and their toxic effects, and generally giving the doctor confidence in the company's products.

Medical Research

PLEA FOR FINANCIAL AID

REGRET that there were no fine chemical industries in Ireland, unlike Britain. to subsidise medical research work, was expressed by Professor W. J. E. Jessop in Dublin on April 30. Professor Jessop. appealing for funds on behalf of the Medical Research Council of Ireland. said that lay people could not be expected to appreciate the work of the Research Council, and grateful patients leaving hospital, while they might make a subscription to the hospital or remember it in their wills, could not be expected to know that the work of research required much endowment if it was to carry on. In Britain, fine chemical industries were doing great work in that respect, but the Council in Ireland were deprived of any such assistance. Pro-fessor J. F. Cunningham said that between £100,000 and £150,000 would be required annually to carry on research on health problems. It was only by research that progress could be made.

Pilgrimage to Lourdes

AIRCRAFT CHARTERED FOR PHARMACISTS

THE Irish pharmaceutical pilgrimage to Lourdes leaves Dublin in a specially chartered Viscount aircraft on the evening of August 3 and on the return flight sets out on the evening of August 16, arriving in Dublin early next morn-

ing. It is hoped that a party of sixtynine will travel to the shrine and, asaccommodation is limited, immediate application is advisable to the hon. secretaries at 69 Palmerston Road, Rathmines, Dublin (air fare, including return bus fare Tarbes Airport-Lourdes and French Government exit tax: £29 6s. A deposit of £3 should accompany applications, the balance to be paid before June 1). Rooms have been provisionally reserved at the Hotel St. Sauveur (with three beds for fourteen days, £22 12s.: with two beds, £24 6s. 4d., with one bed, £25 11s.). Pilgrim badges must be worn, Maximum baggage allowance, 44 lb. The pilgrimage is under the auspices of the International Pharmaceutical Association of Our Lady of Lourdes, and pilgrims from many centres in Great Britain will be welcome to join it adding the cost of travelling to Dublin (from Birmingham, £10 18s.; Bristol. £11 9s.; Cardiff, £10 9s.; Edinburgh, £10 16s.; Glasgow, £9 17s.; Liverpool, £8 4s.; London, £14 19s.; and Manchester, £8 19s.).

SPORT

Bowls, — ULSTER CHEMISTS' ASSOCIATION BOWLERS, Committee elected recently: Captain, J. Wellwood; Vice-captain, R. Johnston, Secretary and Treasurer, G. Hamilton; and S. T. McIlroy, S. Magowan, T. A. Ross and A. Steen. The annual tournament is being held at Belfast bowling green, at 2.45 p.m. on May 20. Subscription is 12s, 6d, Entries should be submitted by May 16 to Mr. J. Caldwell, 75 Chichester Street, Belfast.

Golf.—EDINBURGH CHEMISTS' GOLF CLUB, at Duddingston, recently. Vice-captain's Prize, 1. J. Ferguson (7), 72; Scratch, C. F. Ireland, 77; Number One Section, J. E. Budge (10), 74; Number Two Section, E. Fogarty (18), 73.

LIVERPOOL CHEMISTS' GOLFING SOCIETY, at Southport and Ainsdale golf club, on April 12. Annual match between doctors and pharmacists. The pharmacists won by 4 to 2. Results, Doctors, B. O. Brien and W. G. Merrick, 0; M. Connelly and T. Staunton, 0; J. Fortune and N. Callaghan, \(\frac{1}{2}\); D. O'Ryan and R. H. M. Ross, 1; B. Joseph and J. Purcell, \(\frac{1}{2}\); I. G. Watchman and R. Campbell, 0. Total 2. Pharmacists, A. L. Saul and I. W. Jones, 1; C. S. Cullen and L. Davies, 1; E. G. Patterson and B. Gould, \(\frac{1}{2}\); R. Cain and E. C. Bourns, 0; N. Quayle and G. Bourns, \(\frac{1}{2}\); J. P. Murphy and T. B. Clarkson, 1. Total 4.

LONDON CHEMISTS' GOLFING SOCIETY, at the Royal Mid-Surrey golf club, on April 30, First meeting of the season. Arthur H. Cox Prize (medal), H. E. James (9), 76; Burgoyne Cun (bogey), R. M. Pierce-Williams (10), 4 down; Hepburn Shield, D. C. Warren (24), 79.

MANCHESTER PHARMACEUTICAL GOLFING SOCIETY, at Ormskirk, on April 29, 1959. The *Griffiths Hughes Prize* was presented by Mr. A. Whitfield (E. Griffith Hughes, Ltd.) to J. B. Jenkins who had a score of 27.

NORTH MUNSTER MEDICAL ALLIANCE, outing to Thurles, on April 12. Strokes, 1, Dr. W. Herlihy (10), 72; 2, N. Kennedy (9), 73; Bogev, 1, Dr. P. O'Connell (6), 73; 2, E. J. Connolly (11), 73; Best Gross, Dr. McCarthy (4), 82; Fourball, 1, J. Crean and J. Reidy, 8 up; 2, M. Prendergast and T. Considine, 4 up.

LOCAL OFFICERS

PHARMACEUTICAL SOCIETY

Hendon and Edgware Branch. — Secretary, D. Sharpe, 898A High Road, London, N,12 [corrected note].

Portsmouth Branch, — Chairman, Mr. R. J. Berry; Vice-chairman, Mrs. Mary E. Yoward; Treasurer, Mr. A. G. Tatford; Secretary, Mr. A. C. Yoward, 18a Victoria Road, Emsworth, Hants.

NEWS IN BRIEF

Dr. Jonas Salk was the guest of the Minister of Health at an official luncheon given in his honour at the House of Commons on May 4.

PHARMACY, chemical technology and biology are, *inter alia*, at Bradford's Institute of Technology, to have considerably improved facilities under recently approved long term plans.

THE Executive Committee of the National Pharmaceutical Union, meeting in London on April 28, elected the following officers: Chairman, Mr. G. T. M. David; Viee-ehairman, Mr. Gwilym H. Hughes; Treasurer, Mr. S. J. Stearn.

OFFICERS of the British Seamless Rubber and Plastics Manufacturers' Association, elected at the annual meeting held in London on May 1 were: Chairman, Mr. S. D. Sutton (Veedip, Ltd.); Viee-ehairman, Mr. A. R. Reid (London Rubber Co., Ltd.).

THE retiring chairman of the British Chemical Plant Manufacturers Association (Mr. H. W. Fender), was reelected for a further year at the annual meeting on April 30, and at its quarterly meeting later the council elected the following officers: *Vicechairmen:* Mr. N. C. Fraser, Dr. R. Lessing, O.B.E., and Mr. P. W. Seligman; *Treasurer:* Mr. M. H. Wyndham.

THE annual three-week session of the United Nations Commission on Narcotic Drugs, which opened in Geneva recently, is discussing, inter alia, the operation of eight multilateral treaties, drug addiction and illicit traffic; technical assistance in helping to control addiction; studies of certain drugs, such as coca leaf and cannabis; and the use of synthetic drugs, including sleeping pills and tranquillisers.

and tranquillisers.

FOLLOWING an explosion (with three killed) at the Billingham ammonia-from-oil plant of Imperial Chemical Industries, Ltd., the causes are being investigated both by the company and by H.M. Inspector of Factories. The plant was new but in partial opcration. From the instrument records so far examined the plant would appear to have been operating normally at the time of the explosion.

SUGGESTIONS for meeting requirements for adequate cloakroom facilities for industrial workers, with reasonable facilities for drying clothing during bad weather, are made in a new booklet "Cloakroom Accommodation and Washing Facilities in Factories" published by the Ministry of Labour and National Service (H.M. Stationery Office, 2s. 6d.). It indicates the ways in which the requirements of the Factories Act, 1937, may be met.

THE following are the honorary officers of the National Association of Women Pharmacists for 1959–60:—
President, Mrs. E. N. J. Jones; Vieepresident, Mrs. R. Quintrell; Treasurer, Miss O. W. Scarlett; Registrar, Miss M. C. Dodd; News-letter Editor, Mrs. D. Skilling; Seeretary, Mrs. Wynne Jones, 19 Newton Lane, Chester; Employment Seeretary, Mrs. R. Quintrell, 182 Upper Richmond Road West, East Sheen, London, S.W.14.

TOPICAL REFLECTIONS

By Xrayser

Abdication of Control

The annual conference of the students, held this year at Folkestone. covered a wide field in its deliberations. I note that concern was expressed by Mr. G. Faux (president, British Pharmaceutical Students' Association) over a resolution aimed at relieving university graduates of the necessity of taking the forensic examination of the Pharmaceutical Society. The president made the point that the Society should not abdicate control over the examinations, as there was a danger that it would then cease to be an examining body at all. It would be a great pity if that were to happen, for one of the best features of the Society's diploma has been its uniformity. With a new curriculum of a high standard for the diploma nothing should be done to discourage its importance, or to make acceptance of any degree automatic. Continuity of pharmacy as we have known it, and as the people of this country have known it, is closely connected with the maintenance of a flow of diplomates, and anything that tends to weaken the Society's position is to be deplored. There must always be room for a diploma shaped to the necessarily advancing standards required by traditional pharmacy.

Deep Waters!

A correspondent has kindly written me in reference to a recent paragraph dealing with personal recipe books. He informs me that he is the proud possessor of such a volume and, to judge from his letter, he has browsed to good effect in its pages. He confesses to being puzzled by an entry for a cough mixture which includes the instruction: "One quart of water boiled down to one pint." My correspondent writes: "I would dearly love to know what virtues this was supposed to have!" For my part, I would dearly love to know if he expects me to answer his query. One might hazard a guess that this was the earliest known concentrated water. Just think of the convenience of such a water in the pharmacy! It only requires the simple addition of an equal quantity of water to make it into-water. But onc feels that there is a fallacy somewhere in that argument, for mathematically, the concentrated water would require to be diluted with a dilute water of such a strength that—but these waters are too deep for mere speculation. The only thing seems to be to have the whole question scientifically investigated and soberly discussed at the British Pharmaceutical Conference when it meets at Glenlivet.

Threepence Off

A popular question-and-answer programme, run on sound radio by the B.B.C., has been discussing coupons and bargains in the soap and detergent field. (One must be careful to avoid naming the programme, for the programme itself avoids, in discussion, anything that savours of advertisement. Suffice it to say that there are a chairman and panel of four at the public session, and that the world at large is invited to comment by letter in the course of the following week. Mr. Freddie Grisewood himself could not be more discreet.) A questioner asked if it would not be better to reduce the price of an article by threepence than to hand out coupons to the same value. It was obvious from the reaction of the audience that they were tired of coupons for soap seven years after soap coupons were officially abolished. It was equally obvious that all the members of the panel were utterly opposed to the whole thing. But none of them was able to foresee any diminution in the opportunities of something for nothing. A correspondent, who was a grocer, wrote to the follow-up programme stating that he had received a consignment of packets of a detergent powder, each marked "twopence off." He weighed the "bargain" packet against the standard and discovered that the bargain actually contained less detergent to the value of threepence! Shopkeepers are thoroughly tired of the perpetual "stunting" that goes on. and I recently heard strong and adverse pharmaceutical comment on the action of a tooth-paste manufacturer who offered tooth-brushes in return for empty cartons.

PACKAGING NOTES

"Flower Pot" Caps.—Flexile Metal Co., Ltd., Bessemer Drive, Stevenage, Herts, recently added two new caps (Nos. 115 and 135) to their "flower pot" range. They are available for metal or plastic tubes and are made in a wide range of colours and also in natural polythene.

"Largest Stock of Polystyrene Containers."—Claiming to carry the largest stock of polystyrene containers in the United Kingdom, the Plastic Box Co., Ltd., White Hart Court, Market Rasen, Lincs, offer immediate delivery in small or large quantities and can mould containers to customers' specifications in any colour scheme or incorporate any special label design.

Own-name Counter-bags.—Chemists' own-name printed paper bags manufactured by John Dickinson & Co., Ltd., Apsley Mills, Hemel Hempstead. Herts, and available from bag and stationery suppliers, include special Seal-Easi bags for medicine bottles. Neither moisture nor heat is needed to seal them—the flap is turned over and finger-tip pressure closes and secures it.

A New Automatic Carton Sealer.—A new automatic carton sealing machine, capable of handling a variety of case sizes, with easy adjustment and safety cut-out control, is announced by Gordon & Gotch (Sellotape), Ltd., 8 Paul Street, London, E.C.2. Manufactured by Adhesive Tapes, Ltd., the "U" taper, measuring 7 ft. 2 in. long, 3 ft. 10 in. wide and 6 ft. 4 in. high, has been designed to fit into a production line. It accepts fibreboard or corrugated cases with butt-joining flaps of any size within the range 10–20 in. wide. 7–20 in. high, and 10–24 in. long. The machine applies a length of Sellotape vinyl 12 tape along the joining edges of the top and bottom flaps. The tape extends to vertical faces of the cartons

for about 2 in. to make a perfect seal. It takes Sellotape with a 3-in. core up to maximum roll length of 360 yds. Output is variable up to fifteen cartons a minute.

Bag-neck Sealing Machine. — A new bag-neck sealing machine, the Amazon, has been introduced by John Gosheron & Co., Ltd., London, S.E.11. Approximately $9 \times 6\frac{1}{2} \times 2\frac{1}{2}$ in. in size, the Amazon can be used with cellulose, vinyl, PVC, polythene, paper and certain cloth-adhesive tapes up to widths of $\frac{1}{2}$ in. on 3 in. cores (1 in. cores can be specially supplied). In operation the bag neck is pushed down between two spring-loaded blades and a piece of tape automatically wound around the bag neck. As the bag is brought up and withdrawn the tape is quickly severed and an effective seal is immediately made.

A "Dispenser" for Liquids. Claimed to be a solution to the many problems met with in getting liquids out of bottles, a "dispenser," the Pressa-Flow, has been introduced by Lee Plastics, Ltd., Witton Lane, Hill Top, West Bromwich, Staffs, The appliance is made of polythene and consists of a bulb (constructed like a bellows) with a base that can be pushed firmly into any size of bottle opening, a length of polythene tubing that goes into the bottle, and a delivery spout. A 4-ft. length of polythene tubing is also supplied for attachment to the appliance so that the liquid may be delivered at a distance from the bottle if required. The bellows is compressed while the Pressa-Flo is pushed into the bottle neck and then released, gentle pressure on the bulb then bringing a steady flow of liquid from the "dispenser." The flow of liquid is under control, and the dispensing of measured quantities is claimed easy.



SELF-HELP FOR GARDENERS: Pan Britannica Industries, Ltd., Waltham Cross, Herts, have published a book, "Be Your Own Gardening Expert" giving information on soil identification and improvement, sowing, planting, pruning, taking cuttings, etc., as well as all the latest techniques of ring culture, leaf feeding and soilless culture. The book, which sells at 1s. 6d. per copy, is being heavily advertised in the gardening, national and provincial Press and in a television campaign in May.



"MISS PEARS, 1959": In the finals of the "Miss Pears, 1959" contest organised by D. & W. Gibbs, Ltd., Hesketh House, Portman Square. London, W.1, the award went to three-year-old Susan Fowler (area 1: London and Middlesex). She was selected from more than 30,000 photographs. A cheque for £500 was presented to her by the variety artist Bernard Bresslaw in London recently.

TRADE NOTES

Additional Sizes.—Evans Medical Supplies, Ltd., Speke, Liverpool, 24, have made available a 25-ampoule dual pack of Ergo-Rondase and a 25-tablet "alcon" of Marevan (warfarin-sodium, Evans) bisected tablets.

Applications for Sores and Burns.— Ilon Laboratories, Lorne Street, Hamilton, Lanarks, Scotland, invite chemists to apply to their wholesaler for particulars of Thovaline applications for the prevention of bedsores and urinc dermatitis, and to eliminate the pain of (and heal) burns.

Embossed With Measuring Device.— Scrubb & Co., Ltd., Wimbledon Factory Estate, Morden Road, Wimbledon, London, S.W.19, announce that Scrubb's cloudy ammonia is now issued in bottles embossed on both sides with a measuring device, though otherwise of the same shape as previously. The instructions have been amended to link with the device, and the label has been substantially modernised.

Now Tax-free. — DAE HEALTH LABORATORIES, LTD., 17 Berners Street, London, W.I., announce that Valderma antiseptic balm, now made to a new formula, has been judged purchase-tax-free. — MEDO-CHEMICALS, LTD., 144 Fortess Road, London, N.W.5, announce that their 4-oz. packs of Tonivitan A and D and Tonivitan B syrups are now free of purchase tax.

Bonus Offers

GLAXO LABORATORIES, LTD., Greenford, Middlesex. Glucodin and Farex. Three free cartons with bonus parcel of twenty-four of either product.



FRESHENER AND SPRAY: Display outers in which Astral junior air freshener and Astral room spray are being issued by Cupal, Ltd., Blackburn, Lancs,

NEW PRODUCTS AND PACKS

Flumethiazide with Raudixin. — E. R. Squibb & Sons, Ltd., Edwards Lane, Speke, Liverpool, 24, have made available to doctors in general practice their flumethiazide-Raudixin combination, Rautrax. Preliminary results with the product in moderate to severe hypertension are understood to have been promising. The packs are bottles of twenty-five, 100 and 500 tablets.

All-purpose Parenteral Steroid. — Merck Sharp & Dohme, Ltd., Hoddesdon, Herts, have launched a new speciality, injection Codelsol (prednisolone 21-phosphate solution, 20 mgm. per mil), for immediate use in acute asthma, allergic emergencies, surgical shock, emergency surgery, rheumatoid arthritis, etc. Injection Codelsol is a clear solution ready for immediate administration without mixing or dilution. It is supplied in 2-mil vial.

Control of Hoose.—Burroughs Wellcome & Co., 183 Euston Road, London, N.W.1, announce the availability of a new veterinary speciality, Francide brand diethylcarbamazine citrate injection (veterinary) for the control of parasitic bronchitis (husk or hoose). Francide is issued in bottle of 400 c.c. (sufficient for the treatment of four average-sized calves) and is available to members of the veterinary profession or to meet their prescriptions.

Vomiting Prevented or Treated.— Burroughs Wellcome & Co., 183 Euston Road, London, N.W.1, have introduced a speciality Valoid brand injection of cyclizine lactate, for the prophylaxis and treatment of postoperative nausea and vomiting but also indicated in the treatment of druginduced nausea, vertigo following fenestration operations, nausea and vomiting of pregnancy, and other types of intractable vomiting when oral therapy is impracticable. The injection is available in box of five ampoules (50 mgm. in 1 c.c.).

Hydrochlorothiazide.—CIBA LABORA-TORIES, LTD., Horsham, Sussex, are introducing on May 11 a new speciality, Serpasil-Esidrex, each tablet of which contains 0.15 mgm. of Serpasil and 10 mgm. of Esidrex (hydrochlorothiazide). In any type of hypertension, with or without heart failure, Serpasil-Esidrex provides a broad basis for treatment, and ganglion-blocking agents may be added to it in more severe cases. Esidrex is claimed to potentiate Serpasil and ganglion blockers enabling dosage to be reduced and side-effects minimised. The containers are packs of twenty-five, 100 and 500 tablets.— Under the name Hydril, WARD CASSON, LTD., 2 The Green, Richmond, Surrey, arc marketing hydrochlorothiazide in containers of 100, 250 and 1,000 25-and 50-mgm. tablets (Hydril-25 and Hydril-50 respectively).

A 2-oz. Bottle. — The Crookes Laboratories, Ltd., Park Royal, London, N.W.10, have introduced a new 2-oz. size of their Lacto-Calamine.

Antiperspirant and Deodorant.— Revlon International Corporation, 86 Brook Street, London, W.1, have launched a new cosmetic speciality, Hi and Dri roll-on deodorant and antiperspirant, claimed to "form a protective shield" over the entire underarm surface checking any odour at once and giving "day-long" protection.



A New Plastic Pack.—Pfizer, Ltd., 137 Sandgate Road, Folkestone, Kent, are issuing their 1-mil ampoules of poliomyelitis vaccine in plastic containers of new design. The six-ampoule container consists of two parts—a darkblue base of polythene and a light-blue cover of moulded high-impact polystyrene with gloss finish. The ampoules are anchored in their compartments by an arrangement of four resilient fins, and the surface of the outer sides of the base has fourteen ridges that grip the cover, giving a firm closure. The pack, which permits the ampoules to be loaded by machine, is made by Universal Metal Products, Ltd., Langley Road, Pendleton, Salford, Lancs.

"Colors Unlimited" for the Lips.—Revlon International Corporation, 86 Brook Street, London, W.1, are presenting under the name "Colors Unlimited" a range of "dazzling, lighter, brighter, whiter, completely new" shades plus a "White à la Carte" lipstick that may be blended with any other shade. "Colors Unlimited," in lustrous only, are timed to be on sale from June 1.

Perfumed Shampoos. — Pointing out that shampoos in France have been available in a variety of perfumes for some time, D. & W. Gibbs, Ltd., Hesketh House, Portman Square, London, W.1, announce the introduction in the United Kingdom market of Gloria shampoo in three perfumes "for different occasions and moods." The three varieties have been coloured and named "Stop," "Caution" and "Go." The red "Stop" perfumed shampoo is stated to have "a sophisticated blend for glamorous occasions and a mood that is exotic and vital." The amber "Caution" is for a "cool and poised mood"; it has a Cologne-type perfume. The green "Go" perfumed shampoo is for the "casual and relaxed" occasion; it has a light floral perfume. The shampoos are available in sachet and economy-size bottle.

"High-fashion" Colours. — Helena Rubinstein, Ltd., 3 Grafton Street, London, W.1, are bringing out a number of new lines amongst which are lipstick shades in three "high-fashion" colours: "Hot Red," "Fashion Pink" and "Amber Rose." The company's product Mascaramatic, "the first automatic mascara that needs no brush," becomes available in the new shades

charcoal grey and French blue, and their deodorant stick, which has a subtle sandalwood fragrance, is now available in a white-and-gold propelling case. Latest addition to the Rubinstein "Skin Life" (Turgosmon) range is a honey tonic, and new large sizes are available of the company's "Moisturising Silk" face powder for dry skin and "Skin Life" (Turgosmon) deep cleanser.

"Jet" Version of Battery Shaver.—
Philips Electrical, Ltd., Century House, Shaftesbury Avenue, London, W.C.2, announce the introduction of a rotaryaction Jet version of their battery dry shaver, superseding the existing Philishave battery dry shaver while embodying the main features of its predecessor. The new shaver is packed in a tartan carrying case in which is also a small metal mirror-fronted battery box. Three 1½-volt cells provide five weeks' shaving.

Cooler For Milk Bottles.—Insulex, Ltd., 67 Westbourne Grove, London, W.2, have launched a new cooling device, the Chill-Jak, for use on bottles of milk. Soaked in cold water, and the excessive moisture squeezed out, it is fitted over the bottle, chilling the milk "in minutes." Provided the Chill-Jak remains moist the milk remains fresh up to, it is claimed, two days. Made from plastic foam, the Chill-Jak is washable and need not be removed to pour milk from the bottle. It is available in a variety of pastel shades. "Standard" Electric Blankets.—

"Standard" Electric Blankets. — Philips Electrical, Ltd., Century House, Shaftesbury Avenue, London, W.C.2, announce the introduction of two additions (the EA 1220 and EA 1210) to their range of electrically heated blankets. Both bear the kite mark of the British Standards Institution and the seal of the Good Housekeeping Institute, and they will become the company's "standard" range, the two existing blankets (EA 1213 and EA 1223) being renamed the "de luxe" range. The new blankets are of a soft, fleecy, gold-coloured, woollen mixture material, and are fitted with rotary on/off switch that may be operated from the bed.





At right: New look given to Nulon hand cream (Reckitt & Sons, Ltd., Hull). The new bottle combines elegance with advantages such as greater stability and better grip. The redesigned label and new white cap emphasise the "clean" look, Designers were T. H. M. Partners, At left: Container in which Mycil (The British Drug Houses, Ltd., London, N.1) is being issued,

COSMETIC PRODUCTION ON A MASS SCALE

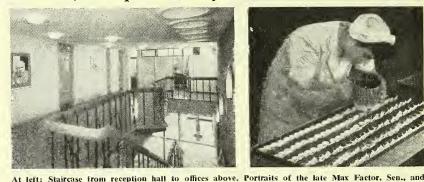
Lord Rank opens new 130,000 sq. ft. factory at Bournemouth

AT the new factory at Bournemouth of Max Factor, Hollywood and London (Sales), Ltd., which was opened on May 1 by Lord Rank, the emphasis is on cleanliness, accuracy and quality. Two men tour the factory with vacuum cleaners. The girls wear white overalls and headscarves (the lipstick moulders red). Many of the machines were designed in the factory. Others have been adapted from other industries.

Electric switches, plugs, fuses and so on, are painted a bright orange. All processes are carried out under one roof span, the various sections being divided only by aisles. While machinery is, of course, much in evidence, many of the filling and packing operations depend on the skill and speed of girls.

The factory covers 130,000 sq. ft. Its cost was in the region of £300,000.

The site adjoins a golf course and, so as to allow for maximum factory ex-





of Max Factor, Jun., may be seen on the wall. For some operations the human hand is quicker than the machine, Right-hand illustration shows filling of eye shadow into white and gold containers.

tension, is set as close as it reasonably can be to the golf course boundary. All the offices have been kept around

the perimeter and all stores and services in an artificially lit and ventilated central core. Partitions are demountable and interchangeable, enabling offices to be

Wherever possible processes are mechanised and many of the machines have been designed and constructed in the factory by the company's own engin-eers. The illustration shows the labelling by machine of the com-pany's "Satin Flow."

increased or reduced with minimum disturbance.

On either side of the cantilevered terrazzo stairs swing doors lead to rub-ber-tiled corridors. The core side of each corridor is lined with sliding doors concealing "dead" files. At the end of the corridors is a secondary entrance hall and stair, beyond which are large general offices. Alongside the secondary entrance is the boiler room. Upstairs the offices have grey vinyl tile floors, white or pale blue panels and natural pine doors. All windows have pale blue venetian blinds. Corridor ceilings accommodate warm air ducts (fresh air in summer) which supply every office. The air is returned to the central core through louvres in the doors and then extracted through the roof. Apart from the warm air, radiators are provided under each opening window.

In the central core, each floor has its own lavatories and tea room, and all wash basins have thermostatic mixing taps providing a steady spray. Turning the tap does not increase the flow but changes the temperature of the water supplied. Walls and floors are tiled and

plumbing is concealed.

BECKENHAM LABORATORIES

Formal opening by Sir Henry Dale

AT the opening on May 1 of the £2million extension scheme at Beckenham (see C. & D., April 25, p. 447), Sir Henry Dale, O.M., F.R.S. (chairman of the Wellcome Trust), was introduced by Dr. D. W. Adamson (research director, Wellcome Foundation, Ltd.) who saw in the ceremony a natural consequence of the step taken natural consequence of the step taken by Burroughs Wellcome & Co. when they issued their first diphtheria anti-toxin in 1894. Since those days, he said, immunology had registered a steady advance with occasional sharp rises to astonishing levels such, for example, as during the two world wars, the diphtheria campaign of the 1940's and more recently by the introduction of anti-polio vaccination, and, on the veterinary side, by the increasing importance of controlling sheep diseases.

During his speech SIR HENRY DALE referred to his early days with the company. Sir Henry joined the Wellcome Research team fifty-five years ago in 1904 and left in 1914 to join the then new National Institute for Medical Research.

Sir Henry stressed that the new buildings could not be kept empty and unused until they were formally opened. The company were at Beckenham to inaugurate them as a going concern. The "polio" building had been in active use since 1957 to meet a demand for the vaccine. It was a sign of growing public interest and confidence in what the advances of science could do, when it was recalled that the original vaccination against the even more dangerous virus infection of smallpox, discovered as long ago as the end of the eighteenth century, required legislation to induce the public to accept its life-saving application.

In proposing thanks to Sir Henry. MR. M. W. PERRIN (chairman, Wellcome Foundation, Ltd.), said the company was spending over £1 million yearly in research and development.

About half the total research budget was spent by Burroughs Wellcome & Co. (U.S.A.), Inc. The expenditure of £1 million annually was large in relation to the total research effort of the British pharmaceutical industry, but was still very small in comparison with the sums spent in the United States and elsewhere. A large expenditure on research was no guarantee of success. Indeed, there could be no quicker way of wasting money unless research was directed along the right paths by men with wisdom—and luck.

COMPANY NEWS

Last year's figures in parentheses

EUCRYL, LTD.-Final dividend for 1958, 6 per cent., making 10 per cent. (same). Consolidated profit, £23,996 (£8,134) after tax of £12,681 (£3,924).

EDWARDS HIGH VACUUM, LTD. -The year 1958 saw a record turnover and expansion in business, states Lord Wilmot of Selmeston (chairman). Group net profits expanded from £76.458 to £107,268 in 1958 and the dividend is raised 1 per cent. to 16 per

BARFOS, LTD.—Consolidated profits for 1958 before taxation, £222,907 (£239,147); after all charges including depreciation of £30,044 (£27,963), U.K. taxation, £112,929 (£129,122). Net profit, £109,978 (£110,025). Over-provision for taxation in past years £3,464 (£3,525). Profits include those of new subsidiary company for two months.

WRIGHT LAYMAN & UMNEY, LTD.—Final dividend 12½ per cent. making 15 per cent. for 1958 on capital increased by one-for-nine scrip issue (same on old capital). Trading profit is £77.219 (£81,787). Taxation £34.876 (£44,678); depreciation £10,500 (£10,832), directors' fees £1.600 (£1,526). Forward £33,453 (£21,123).

UNILEVER, LTD.—The annual report for 1958 states that profits for washing products recovered to a more satisfactory level though competition sharpened and demand for soap products fell. The company's trade in toilet preparations made progress in nearly every country and rise in turnover led to higher trading profits. Sales were £34.5 millions (against £29.5 millions in 1957 and £28 millions in 1956). Increased sales for tooth-pastes are noted in the United Kingdom, United States, Canada, Belgium, Germany and some South American countries.

EVANS MEDICAL SUPPLIES, LTD.—Two new fields of pharmaceutical manufacture are under detailed study states Mr. Ian Fergusson (chairman) in his address circulated with the accounts for 1958. The company, he says, will not hesitate to invite holders to provide further funds if and when profitable employment can be predicted and if they consider permanent capital to be the most appropriate means of finance. During 1958 sales and available surplus were records. The sales increase was sufficient to offset reduced margins and increased costs. Group net profit was £188,768 (£158,878), the dividend total is 12½ per cent. (same) plus a special distribution of 2d. per 5s. unit from capital reserves, and a one-for-three scrip issue is proposed. Mr. Fergusson reports that the terms under which the company's contract as managing agents to the Burma Pharmaceutical Industry was prematurely terminated are still the subject of negotiations with the Government of Burma.

New Companies

P.C. = Private Company; R.O. = Registered Office

GIFFEX, LTD. (P.C.). — Capital £500. To carry on the business of manufacturers of and dealers in chemicals, oils, turpentines, etc. Directors: George A. Carter and Dennis C. Hurley. R.O.: 56 Albert Street, St. Albans.

H. W. HERBERT (BYFLEET), LTD. (P.C.).—Capital £10,000. To acquire the business of Claude Inkster, Ltd., West Byfleet, Surrey. Subscribers: Henry E. Markson and Raymond C. Frostick. The first directors are not named.

VINTAGE COSMETICS, LTD. (P.C.).—Capital £100. To carry on the business of chemists, manufacturers of and dealers in toilet preparations, etc. Directors: Michael E. A. King and Geoffrey H. P. Thomas. R.O.: Court House, Court Road, Malvern.

DEATHS

HOWELL.—On April 6, McTreharne Howell, M.P.S., 54 Bridge Street, Newport, Mon. Mr. Howell qualified in 1891

McNeIL.—On April 25, Mr. Neil McNeil, M.P.S., Bute Pharmacy, Rothesay, Bute. Mr. McNeil qualified in 1904. READ.—On April 13, Mr. Alfred Ernest Edward Read, M.P.S., 289 Aylsham Road, Norwich, Norfolk, Mr. Read qualified in 1929.

REES. — On April 21, Mr. David John Rees, M.P.S., 6 Crown Parade. Upminster Road, Rainham, Essex. Mr. Rees qualified in 1922.

PERSONALITIES

MISS MARGARET McLYNN, an apprentice employed in the pharmacy of Mr. D. J. Kennelly, Castle Street, Dalkey, co. Dublin, won first prize in the sonata piano competition at the Father Mathew Feis, Dublin, Eire, recently, Miss McLynn is a native of co. Sligo.

MR. L. H. KEEN, M.P.S., branch manager of Boots, Ltd., Penzance, who recently retired, was presented with a gold watch on behalf of the directors and a pair of fireside chairs (one from his fellow managers in the district and one from the Penzance staff) in recognition of his forty years with the company.

DR. C. A. MARSH, B.Sc., A.R.C.S., who began a career in research in the laboratories of May & Baker, Ltd.. Dagenham, Essex. has been awarded a W K. Kellogg Foundation research fellowship in biological chemistry. He leaves Britain in September for five months' study at the University of California. For the past nine years Dr. Marsh has been working in the enzymology department of the Rowett Research Institution, Bucksburn, Aberdeens.

MR. C. H. SYKES, this year's recipient of the Evans medal (see p. 510) passed the Pharmaceutical Society's Major examination in 1925 after studying at Leicester. In 1926 he was appointed to a post in the pharmacy department of the London Hospital and in 1929 became Joint Chief Pharmacist with Mr. J. B. Elgar. Since Mr. Elgar's retirement in 1940 he has been sole Chief. Mr. Sykes has a deep interest in the problems of sterilisation and has written many articles on the subject.

MR. T. C. BLACK, M.P.S., who has been appointed general manager of Ames Co., division of Miles Laboratories, Ltd. (this page), served Menley & James, Ltd., London (now Smith Kline & French Laboratories, Ltd.), for twenty-six years in various capacities covering the whole field of their activities and was a director of that company from 1950 to 1956. He qualified as a pharmaceutical chemist in 1938. For the last two years Mr. Black has been employed with Pfizer, Ltd., Folkestone, as commercial development manager.

MR, J. N. CLITHEROE, who has been appointed general manager of Miles Products division of Miles Laboratories, Ltd. (this page), joined the foreign department of International Chemical Co., Ltd., in 1945, and three years later was appointed deputy export sales manager, which position he held until he joined Miles Laboratories, Ltd., as export sales manager in 1955. Before the 1939-45 war, Mr. Clitheroe spent a considerable time on the Continent studying languages. He is a member of the Institute of Export and of the Sales Managers' Association.

BUSINESS CHANGES

THE business of the late Mr. Treharne Howell, 54 Bridge Street, Newport, Mon, is now being carried on by his son, Mr. L. J. Howell, M.P.S.

TIMOTHY WHITES & TAYLORS. LTD., are opening a new branch at 72 Princes Street, Edinburgh, on or about June 18 under the title Timothy Whites Chemists.

MILES LABORATORIES, LTD., announce that on May 1 their subsidiary companies, Don. S. Momand, Ltd., Dentesive, Ltd., and Ames Co. (London), Ltd., ceased to operate. Their functions are now carried out by the





Mr. T. C. Black

Mr. J. N. Clitheroe

following newly formed divisions of Miles Laboratories, Ltd.:-Miles Products division to handle the home and overseas marketing of products advertised to the public, Mr. J. N. Clitheroe (formerly export sales manager), has been appointed general manager of the division; and Ames Co. (functioning as a division) to handle the distribution and sales of all "ethical" products at home and overseas. Mr. T. C. Black, M.P.S., recently joined the company as general manager of this division. Research and scientific matters are the responsibility of Dr. C. E. Dalgliesh. The functions of the full-time directors are as follows:-Deputy chairman and managing director, Mr. William Morgan Thompson. M.P.S.; commercial director, Mr. J. A. Bunce; financial director, Mr. A. H. McIlwraith; administrative director, Mr. C. H. Kyte; production director, Mr. J. S. M. Dashwood, B.A. The functions of Mr. Don. S. Momand (chairman). Mr. J. S. Gwatkin, M.A., and the other directors remain unaltered.

Appointments

THOMAS KERFOOT & CO., LTD., Vale of Bardsley, Ashton-under-Lyne, have appointed Mr. C. H. P. O'Shea to their London medical detail staff.

MORNY, LTD., 201 Regent Street, London, W.1, have appointed Messrs. C. H. Jolliffe and V. Playne area managers and Messrs. G. Frith and B. A. Wade to their representative staff.

F.B.A. PHARMACEUTICALS, LTD., 37 Bedford Row, London, W.C.1, have appointed Mr. R. B. B. Williamson, M.P.S., their medical representative in Clydeside.

CROOKES LABORATORIES, LTD., Gorst Road, Park Royal, London, N.W.10, have appointed Mr. Peter Kennedy their representative in Devon, Cornwall, Somerset, and Channel Isles.

LEGAL REPORTS

A Menace

DESCRIBED by the prosecution as a menace to both doctors and druggists. Gareth John Healey, Porthkerry Road, Barry, pleaded guilty at Barry magicourt on April 20 to stealing strates' National Health prescription forms and obtaining drugs by forging the prescriptions. Asking for forty-eight other charges, including false pretences and credit by fraud, to be taken into account, he was committed in custody to Glamorgan Quarter Sessions Appeals Committee for sentence. The prosecution alleged that Healey entered doctors' waiting rooms and stole prescriptions left for other patients. He then used an ink eradicator, filled in fictitious names and the prescription for tab-lets. The offences had been committed in many parts of the country. Healey said that after he had been before the court previously for a similar offence he went to Whitchurch Hospital as a voluntary patient. However, "it was a waste of time" because he did not receive any treatment. A police inspector said Healey had a long record involving terms of imprisonment.

Doctor on Drugs Charge

APPEARING before the Birmingham magistrates on May 1, Dr. Joseph Anatole France Tobin, a consultant anæsthetist at the North Staffordshire Royal Stoke-on-Trent, Infirmary, pleaded guilty to charges under the Dangerous Drugs Act, and to one charge of larceny. He was put on probation for two years, a condition being that he received treatment. Dr. Tobin was accused of obtaining quantities of pethidine hydrochloride without any authorisation in November and December 1958. He asked for fourteen other offences-including ten in Solihull-to be taken into consideration. He also admitted stealing a quantity of the same drug from the North Staffordshire Infirmary. Prosecution said Dr. Tobin's authority to procure Dangerous Drugs was withdrawn in 1955. While acting as locum to a Birmingham doctor he had obtained comparatively large quantities of the drug. For the defence it was said that Dr. Tobin was involved in a serious motor accident in 1939. He was treated with morphine and by 1946 the medical authorities realised that he was an addict. After being cured, his authority to procure drugs was restored to him in 1954 but removed again in 1955 when he was obtaining large quantities of pethidine for legitimate experiments.

Price Injunction Refused

MR. Justice Vaisey in the Chancery Division of the High Court, London, on May 1 held that an action over alleged price cutting of Lucozade was misconceived. He dismissed with costs a claim by Beecham Foods, Ltd., for an injunction to restrain North Supplies (Edmonton), Ltd., Fore Street, London, N.18, from selling Lucozade or any other product of the plaintiffs at less than the fixed retail prices. The judge said the defendants had had the fullest notice of the fact that Lucozade was supplied subject to a condition as

to the price at which it might be sold, but whether there was a current price of 2s. 9d. per twenty-six-oz. bottle, as the plaintiffs asserted, seemed much less certain. The label on the bottle was marked in bold figures 2s. 6d., followed, in less bold characters, by "plus threepence deposit returnable on bottle with stopper." The property in the bottle was never intended to pass to the customer. Each of the two women who made a test purchase at

2s. 7d. had, in his Lordship's judgment, paid the full price for the liquid and only one penny for the hire of the bottle. Section 25(1) of the Restrictive Trade Practices Act had nothing to do with hiring agreements. It applied only to sales, and the bottles for which threepence was claimed were never sold. "If people wanted to fix prices for retail sales" they must do so in plain, simple and sensible and above all accurate language."

IN PARLIAMENT

BY A MEMBER OF THE PRESS GALLERY, HOUSE OF COMMONS

THERE was no reason to suppose that the incidence of diabetes was changing, MR. S. IRVING was told by MR, DEREK WALKER-SMITH (the Minister of Health) on April 27.

Leprosy

Replying to Mr. N. Pannell on April 27 the Minister of Health said there were 275 cases of leprosy known in the United Kingdom on December 31, 1958.

"No. 9" Pills

MR. C. J. SIMMONS asked the Secretary of State for War, on April 29, if Army medical officers still prescribed "mcdicine and duty" and if the "No. 9" pill was still in use, MR. C. SOAMES (Secretary of State for War) replied "The answer to the first part of the question is 'Yes. Sir,' and to the second 'No, Sir'".

Indonesia

MR. A. GREEN asked the President of the Board of Trade if the Export Credits Guarantee Department was yet in a position to resume credit insurance cover on exports to Indonesia. Sir David Eccles (President, Board of Trade) stated in a written reply on April 30 that cover was now available for business on terms of payment of up to 180 days. Cover was also available for a limited volume of business on up to three years' credit terms.

Orange Squash

SIR J. SMYTH asked the Minister of Health whether he was aware that samples of a type of orange squash widely sold in Ministry of Health hospitals contained only 17 per cent. of pure orange juice as against the minimum standard of 25 per cent, juice laid down by the Food Standards (Soft Drinks) Order, 1953, as amended by the Food Standards (Soft Drinks) Order, 1954; and what action he was taking.

MR. R. THOMPSON (Parliamentary Secretary, Ministry of Health) said "No" but if the questioner would give him particulars of any case he had in mind he would make inquiries.

Deaths from Bronchitis

Deaths from bronchitis were more numerous in the early months of this year than in comparable periods of previous years stated the Minister of Health in answer to a question by Mr. A. BLENKINSOP on May 4.

Younghusband Report

The report of the Working Party on Social Workers in the Local Authority

Health and Welfare Services under the chairmanship of Miss Eileen Younghusband was published on May 4.

Cancer Research

MR. SYDNEY IRVING asked the Minister of Health on May 4 how much money would be spent by his department on cancer research this year, apart from the £206,400 granted to the Institute of Cancer Research. In his reply MR. DEREK WALKER-SMITH stated the Medical Research Council expected to spend £580,000 this year including the grant to the institute. It was impossible to make an estimate of the expenditure under the National Health Service in the treatment of patients.

Council for Management Efficiency

On May 4, Mr. DEREK WALKER-SMITH gave details of the appointment of the National Health Service Advisory Council for Management Efficiency (England and Wales) (see p. 493).

Drugs for Private Patients

MRS. F. P. A. MCLAUGHLIN asked the Minister of Health, on May 4, whether he had considered the proposal made to him by the British Medical Association regarding free drugs and dressings for private patients. MR. DEREK WALKER-SMITH: "No decision has yet been taken upon this proposal."

Microbiological Research Establishment

MR. R. MASON asked the Minister of Supply to make a comprehensive statement on the aspects of the work of the Microbiological Research Establishment.

Mr. Aubrey Jones (Minister of Supply) in a written reply on May 4 stated that although the work of the Microbiological Research Establishment formed part of the defence programme, much was of wider interest since it involved fundamental studies in microbiology. These studies had many applications in the field of pre-Two examples of ventive medicine. how the work had yielded important civil applications were the development and production of a completely safe vaccine against anthrax and the production of raw material for Asian influenza virus vaccine used in the 1957-58 epidemic. Biological materials were regularly provided for use in microbiological departments engaged in medical research at universities and other institutions. Information on the production of biological materials for agricultural research and for industry had also been made available.

N.P.U. AREA CONFERENCE AT SCARBOROUGH

Chemists from three North-eastern Divisions hear and are heard

MEMBERS of the National Pharmaceutical Union in the three North-eastern divisions turned out in good numbers to meet their representatives and officials at a conference in Scarborough on May 3.

The subjects that had prompted them to table resolutions were the marketing of veterinary products and publicity for the private chemist. One motion on the first of those topics and two on the second were carried without a dissentient, though the discussion showed unanimity on current N.P.U. marketing policy to be something yet to be reached.

Mr. G. T. W. David, who presided, was making his début as chairman of the N.P.U. The principal local organiser of the conference (Mr. David Rhodes) was making his "swan song" as secretary of the Scarborough and North Riding Branch of the Union.

What the Union Does for Members

Before the time came for considering the resolutions the services and policies of the Union were reviewed by MESSRS. T. HESELTINE, Normanton (Executive member representing N.E. Division 2 electoral area) and E. A. BROCKLEHURST (representing N.E. Division 3). Mr. Heseltine dealt with the business purchase scheme, pointing out how it helped sellers as well as buyers of businesses; with apprenticeship; Chemists' Mutual Insurance; the Chemists' Sickness and Provident Society (of which he is the honorary treasurer and from which, he reminded his hearers, up to £500 could be drawn by a member on retirement); with the clearing-house, now being mechanised to make its operation speedier; Chemists' Defence Association; and the information services of the Union.

Mr. Brocklehurst described the activitics of the marketing policy committee. To enable members to meet competition the Union maintained, he said, a list of suppliers able to offer goods at specially keen prices. The need for products not on the ordinary market had led the N.P.U. to make available to members a branded dressing, Nucot; a 5s. hot-water bottle; and powdered glucose for sale; and counter bags and price tickets as sales aids. The quantities of each already sent out (and he gave figures) proved their value, and other products were under consideration, Mr. Brocklehurst gave statistics to show that chemists were losing sales to other traders, and said the figures pointed to the need for a publicity scheme for chemists. Advertising campaigns were expensive. A scheme had been drawn up and would be placed before members. It would be paid for from funds levied on members according to size of business (as assessed by the number of assistants). He gave the graded scale of payments.

There were some comments by members on the two surveys. Mr. ARTHUR WRAGG, Sheffield, pointed out that bank charges for handling one large cheque were no less than for dealing with

many small ones to the same total; he thought they should be. Mr. S. LAZ-ARUS, Middlesbrough, was concerned at the effect of the N.P.U.'s competitive packs on a member's own packed lines. He had always tried, he said, to make his own more attractive than the average, had paid more for them, and felt that higher retail prices were justified. MR. JAMES WILSON, West Hartlepool, thought the N.P.U. lines might prompt a price war with the multiples, MR. BROCKLEHURST'S answer being that high prices reflected unfavourably on private chemists, and MR. DAVID's that lack of uniform prices created a bad impression on the public.

MR. R. T. WALSH, Wakefield, asked whether the new publicity scheme would concentrate on pharmacists' services or advertise products and prices. He was told that it would not concern itself with particular products. The advertisements would put over the idea that the private chemist could give a better service than the large organisation, though there would be no "knocking copy." The Executive saw no reason, however, for denying chemists the advantage of linking-up with manufacturers' own announcements, as in the Christmas television programme of the past two years. The two things were separate.

MR. FRANK CLARK, Scarborough, who

is the owner of the business at 448 Scalby Road, Newby, of which the late Mr. H. M. Hirst was formerly the proprietor, was the proposer of a resolution from his branch.

That it is the opinion of this meeting that the present marketing policy of pharmaceutical manufacturers certain with regard to their veterinary products is to be deprecated and is detrimental to both farmer and pharmacist.

Explaining to his urban colleagues the special problems of the country chemist, Mr. Clark said that over the years veterinary products had tended to separate themselves into two groups: those sold through chemists and those supplied only through veterinary surgeons. Lately the manufacturers had been restricting more products to the veterinarians and had been supplying some of them on terms better than the chemist could get, with the result that the veterinarians were beginning to operate surgeries-cum-shops from which they supplied not only farmers whose animals they were treating but anybody who wished to buy. On the other hand products formerly channelled through chemists were being distributed through a much widened range of traders,

MR. B. T. HOLROYD (East Riding Branch), who seconded the motion, thought that the Pharmaceutical Society, as well as the National Pharmaceutical Union, could help the phar-macist in the matter. He urged the Executive members present who were also Council members (Messrs, Brocklehurst and Heseltine) to stress there the pharmacist's point of view.

Mr. Wragg hoped for some test case to bring out the point that the manufacturers were robbing pharmacists of

rights they had by law. The Veterinary Surgeons Act made it an offence for pharmacists to recommend products for the treatment of animal diseases yet products were being recommended, apparently with the manufacturer's approval, from market stalls.

MR. G. K. HIRD, Northallerton, urged the N.P.U. to enlist the support of the National Farmers' Union, many of whose members were finding that they had to pay more to the veterinary surgeon than they had formerly paid to

the chemists.

MR. F. MITCHELL, Leeds, said that since the Veterinary Surgeons Act there had been no dispensing of private veterinary prescriptions. The N.P.U. should both press the manufacturers to supply chemists with the products and advertise to farmers that the chemists were the correct suppliers of animal medicines. If he had heard correctly that products subject to the Penicillin Act were being sold from veterinary "sales shops," said MR. WALSH, it was the duty of the Pharmaceutical Society to make test purchases.

MR. HESELTINE, from the platform, admitted that he thought the Pharmaceutical Society had given away too much to the veterinary surgeon, but cited an instance from his own experience of the way in which a manufacturer could, by individual action. be influenced to modify his policy. MR. DAVID, from the chair, said that the N.P.U. was not unconcerned with the situation and was getting it periodically reconsidered by the manufacturers, and MR. J. WRIGHT (deputy secretary) suggested that chemists were partly to blame for their own situation, there having once been a time when manufacturers would have liked the support of chemists but did not get it. thought that the Pharmaceutical Society had too hopefully "gone along" with the National Veterinary Manufacturers' Association and British Veterinary Association in the expectation that the veterinary surgeons would become more professional. The veterinarians, having secured the distribution of products, would not now give it up. Chemists could sometimes obtain from a wholesaler products the manufacturer would not supply. The N.P.U. was in correspondence with at least one manufac-turer, but to the general question of getting the industry to distribute through chemists products at present restricted to veterinary surgeons he could see no answer and invited suggestions.

MR. ARTHUR WALKER, Scarborough, said that the manufacturers could well adopt the methods used in marketing pharmaceutical specialities and "sam-ple" the veterinary surgeons. He also advocated advertising by the N.P.U. in veterinary journals.

Pharmaceutical "Public Relations"

MR. WALKER, on behalf of Scarborough Branch, moved:

That it is the opinion of this meeting that the advertising conducted on Independent Television by the N.P.U. in conjunction with toilet product manufacturers is not the ideal method of sponsoring pharmacy as a profession.

He urged that any money spent by the N.P.U. on advertising should be directed to putting the pharmacist over as the seller of medicines. He also thought that if any manufacturers were to be supported they should be those who had so well supported chemists in the days of C.F. He suggested a slogan for a television "flash": "Buy all medicinal products from your chemists—he understands them."

MR. STANLEY COOPER, Scarborough, in seconding, said that the pre-Christmas television campaigns of the N.P.U. had given some members the impression that the N.P.U. was a poor relation of

the manufacturers.

MR. DAVID, from the chair, pointed out that there was no link between the original scheme, which had been prompted by a tie-up with the manufacturers by one of the multiples, and proposals now formulated for publicity

for the independent chemist.

The remaining resolution had to do with payment for publicity. It urged a compulsory levy for the purpose on all members of the N.P.U. The resolution was moved by MR. E. S. MITCHELL, Leeds, who said members welcomed the intention of the Executive to embark on propaganda for the independent chemist, and seconded by MR. A. GORDON REED, Leeds, who said that the comparative failure of the C.F. defence fund showed that voluntary contributions were not good enough. Even if a levy should lose the N.P.U. a few members he was in favour of it.

MR. DAVID reiterated the intention of the Executive that, if the plans for publicity were approved, the cost of carrying them out should be compul-

sorily shared by all members.

N.H.S. Matters

Reviews of the current relations between chemist contractors and the Ministry were given by MESSRS. G. H. M. GRAHAM (chairman, Central N.H.S. (Chemists Contractors) Committee and N.P.U. Executive member representing N.E. Division 1) and J. WRIGHT (deputy secretary of the N.P.U.). Mr. Graham said that both sides had found that accountancy alone could not prove whether contractors were being reim-bursed as they should be. The Minis-try made use of no less than five statisticians, and the N.P.U. now made use of one of their own commissioning.

Mr. Wright dealt with the dispensing costs inquiry, the avoidance of other similar inquiries; Drug Tariff basic prices; basic packs; and doctors' stock orders. The main problem in the dispensing costs inquiry, he said, arose because only 34 per cent, of private chemists had returned answers to the questionnaire. Did that give a representative or a biased picture? The statisticians were working on that, and meanwhile the Ministry was going back to some of the chemists who had not completed the form to get a simpler set of figures. The Contractors' Committee disliked the full-scale inquiries and was discussing ways of keeping up to date on costs without them. The response to the questionnaire on purchase quantities

and prices had had almost a 75 per cent. response. The information was being sorted out. Meanwhile chemists who suffered hardship through buying in less than the quantities on which Tariff rates were based could do more for themselves by claims which, if reasonable, were being allowed. Prescriptions endorsed in that way should be put in the "S" bundle.

The contractors' committee, said Mr. Wright, had always opposed schemes for stock orders for doctors. The British Medical Association claimed that such a scheme was operating well in Scotland, but Scotlish chemists were becoming more and more concerned about it as cases came to their notice of goods given out to patients by doctors that were not in proper packs and often without labels. The N.P.U. had no faith in "safeguards" suggested by the B.M.A., knowing that disciplinary powers against dispensing doctors who

failed to collect patients' levies were not being applied.

A number of questions were asked and answered on the prospects of full pricing; payments for postage, etc., where incurred in meeting prescriptions; appearances before disciplinary committees; the level at which it was profitable to engage in N.H.S. dispensing and whether a contractor who withdrew from the list could be readmitted; whether cartons would become compulsory for dressings (answer: no such intention by the Ministry); containers for tablets; and possible competition from health centres. Members were informed that the next edition of the British National Formulary would stipulate the number and strength of tablets to supply if the prescriber failed to state them.

A vote of thanks to the platform speakers was proposed by MR, JOHN Low (Durham County Branch).

Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

Old Neighbours

SIR,—I was interested to read an appreciation, published in your issue of February 28 (p. 224), of the late Mr. F. E. Spilsbury, M.P.S. Mr. Spilsbury was a friend of mine, and we attended the same classes in Edinburgh, though he qualified before I did. He had "digs" practically opposite the house I lodged in. I should like to endorse what Mr. J. Anderson Stewart had to say about our mutual friend.

STANLEY F. TEMPLAR,
Bloemfontein,
Union of South Africa

Student Exchanges

SIR,-May I draw your attention to the student exchange scheme sponsored by the International Pharmaceutical Students' Federation and supported by the British Pharmaceutical Students' Association? This scheme provides exchanges between pharmacy students of this and other countries who have completed an apprenticeship. The host pharmacist is required to provide accommodation, or remuneration for it, and pocket money. I should welcome any inquiries, offers of exchange, etc., from host pharmacists in this country. since there are many students abroad eager to study pharmaceutical methods ritain. [MISS] A. SAVAGE, 64 Courtfield Avenue, Harrow in Britain.

Apathy in Pharmacy

SIR.—Having recently attended the meeting in London that was addressed by candidates for the forthcoming Council election, we came away with the one impression that little is being done to combat the general apathy that exists in pharmacy today. That is well borne out by the fact that only three of the prospective candidates bothered to attend the meeting and only thirty-five members came to listen, of which over 25 per cent. came from two branches: Romford and District and

East Metropolitan Branches. The speakers had one point in common—the subject of this letter—and even the

retiring member gave us no idea as to how Council could combat this "disease." We wrote last year, immediately after the election, deploring the apathy which resulted in only approximately 30 per cent. of the electorate voting, and suggested that other branches might have some ideas to rouse some interest in the affair. That figure seems to tie in with attendance of prospective candidates-only three out of ten present. It would seem that the scourge of apathy is present in the same degree in Council itself. Surely the time has come for us, the electorate, to do our utmost to return new candidates who may be able to stimulate enthusiasm from headquarters. As an active branch, the Romford and District Branch feels strongly in this matter, and has recently sent a questionnaire to all its members in an endeavour to find out what they want, and so try to increase average monthly attendances of the Branch. Still more we feel that candidates who made no effort to attend such a meeting are not neccessarily the best members to represent us-perhaps they have served for too long and should seriously think of standing down in favour of others who could bring new blood to fight the abomination of apathy.

On behalf of the Romford Branch.
K. H. Rose, Chairman; J. HarBOUR, Vice-chairman; J. D. MACKENZIE; R. MOORE, W. CATCHPOLE,
Social Secretary Romford

CAN YOU READ IT?

R Upit as!

THE prescription was received by a pharmaceutical chemist at Edgware.

PHARMACEUTICAL MANUFACTURERS' DINNER

Moves to make the industry's achievements better known

A RECORD number of diners attended the annual dinner of the Association of British Pharmaceutical Industry, held in London on April 29.

Sound Advice Taken

THE PRESIDENT of the Association (Dr. T. H. Manners Kerfoot) said that many people had told the Association that it should do more to make known the achievements of the industry. The advice was sound and they had taken it. What they had done, they had done with dignity, seeking to convince rather than to refute, to win allies rather than victories. Aware of the value of consultation, they were aware, too, that for successful consultation both parties must be properly informed. The Association must be in a position to give advice as well as to receive it, and was taking steps to make its members better informed. As the industry improved its standing in the eyes of the world by correcting misunderstandings and acting upon valid criticism, so its authority would increase. They had to improve both the quantity and the statistical viability of information obtained from their own organisations. He was convinced that a close co-operation between the industry and the statistical branches of the Departments, the hospitals, and organised medicine generally, would be to the advantage of all the organisations concerned, to Government, and to the public at large.

A series of brochures about the achievements of the industry was in preparation. It was modest in form and content, but it would enable thinking people to form a fair judgment of a hard-working and responsible industry. If the industry had been in some measure responsible for the dramatic fall in tuberculosis deaths from almost 30,000 in 1948 to under 5,000 in 1957, and largely responsible for the nearconquest of pneumonia, it was, he thought, their duty to let those contri-

butions be known.

The Association had set down for members' own guidance a formal code of marketing practice for medical specialities and that had been accepted by all members.

The industry's contributions to export was well known, but looking at the figures he was immensely struck by the fact that it had discovered and developed many drugs for the treatment of diseases that did not exist in Britain. It might well be that the work they had done towards eliminating leprosy, yaws, trachoma, bilharziasis and malaria would prove to have a political and social value beyond their imagining.

As president of the Association he had had the honour, with Mrs. Kerfoot, of visiting the United States of America to attend the first annual meeting of the Pharmaceutical Manufacturers' Association, and to address its members. The experience had been stimulating, exciting and unforgettable. He had come away with an immense respect for the integrity and judgment

of the men who run the pharmaceutical industry in America.

As the Pharmaceutical Manufacturers' Association was a newly-formed amalgamation of the two previously existing bodies, it was felt appropriate that he should take it a gift. He had taken a chairman's hammer, suitably inscribed, and made from wood from London's Guildhall. He had brought back with him a message of greetings and good wishes from the president of the Association.

Research remained the life blood of the industry, and must be steadily increased in volume if Britain was to retain her place in medicine. Today, by some standards, the volume was small



The Association's president (Dr. T. H. Manners Kerfoot) receives the Minister of Health (Rt. Hon, Derek Walker-Smith).

but the quality superb. They would preserve the quality, but in order to increase the quantity must be in a position to compete for investment capital. Research was a long-term project. Its success depended largely on the assurance that those who engaged in it should continue to be able to recoup its cost by incorporating it, at a fair and reasonable rate, in the price of the product.

Dr. Kerfoot then welcomed guests at the dinner members of both Houses of Parliament, friends from the Departments; colleagues in medicine. surgery, veterinary medicine and pharmacy; representatives of other trade associations; an honorary member (Mr. Charles Saul); and the Press. Many of the papers represented were, he said, of great age, but they would forgive him if he mentioned THE CHEMIST AND DRUGGIST as becoming 100 years old in 1959. The C. & D., he said, was naturally close to them and he offered it the sincere congratulations of the Association. Dr. Kerfoot finally praised the Association's legal, financial and public relations advisers, and its secre-

The Minister Speaks

The guest speaker was the MINISTER OF HEALTH (Rt. Hon. Derek Walker-Smith, Q.C., M.P.), who said that the industry was a great one whether weighed in the scales of industrial production or of therapeutic achievement. A three-fold expansion over a quarter of a century or less became more not-

able still when accompanied by the export contribution the industry had made.

As Minister of Health he was, of course, more directly concerned with its contribution in the home market in the common fight against disease. That was a big thing—big in its beneficial results, substantial in its costs to the Exchequer. He had both value and cost much in mind. It was the inescapable duty of a Minister of Health to keep cost under a keen and critical scrutiny, but that was no reflection on

the commodities bought.

In their many contacts with the in-dustry the Health Departments had met, and sought to reciprocate, a helpfulness that had gone far to resolve the inevitable difficulties. He set great store by those happy relations and was sure they would continue, to the benefit of the community as a whole. There was, inevitably, much publicity for, and not a little criticism of, the industry. A good deal of the publicity was perhaps unwelcome, and a good deal of the criticism no doubt less than fact. If the Ministry was zealous in pursuing good value for the State, it was zealous too in rebutting misrepresentation in regard to the products and methods of the industry. In that context he hoped that the recent change from numbers to letters in the system of classifying proprietaries had helped in removing at any rate one misunderstanding.

The Minister, in a reference to the voluntary price-regulation scheme, said that the three-year trial period had more than a year to run and it would obviously be premature for him here to attempt any judgment on the

scheme.

Members knew that the Ministry thought that the savings produced by the scheme had been a little disappointing, and the Ministry knew that members thought that large savings were not to be expected because of the reasonableness of most of the pricing policies. Nevertheless, it was a question whether there might not sometimes be room for lower prices without placing further progress at risk.

It was not easy to devise a satisfactory formula. The export price criterion was obviously an attractive basis from which to start, but with such a complex and cosmopolitan industry it might be necessary to consider if it was a sufficiently reliable guide to the reasonableness of United Kingdom prices of all products to which it now applied. However, in showing that United Kingdom prices were generally lower than average export prices the scheme had already gone a long way towards answering the criticism sometimes made that prices in the U.K. were high because of the existence of a National Health Service.

The Ministry would also like, when the time came, to examine further the possibility of weighting the trade price formula to take account of other factors such as research on the one hand and the effect of large-scale production on the other.

Research was, of course, vital to the progress of all industry, but of the drug industry it was the very life blood.

He knew something of the cost and effort involved. He knew how often research could prove abortive, and how uncertain the rewards, even of successful research, could be. It was therefore essential that the industry should be able to provide for the resources required for research and development. The Secretary of State for Scotland and he would always try to ensure that no action of theirs denied just and proper rewards to those who undertook them.

Annual Report

The annual report of the Association, published on April 29, records that since 1948 the industry's output and exports have more than doubled, against an increase in the labour force of under 10 per cent. In 1948 the industry, employing 48,600, had had a turnover of £73 millions, of which £15.8 millions was exported; the provisional figures for 1957 show that the industry, employing 52,400, had a turnover of £150.4 millions, of which £39.6

millions was exported.

There was a need to assemble facts about the provision and use of drugs, particularly the savings to the Health Service and the economy at large which the use of modern drugs had pro-duced." Ten years after the inception of the National Health Service manufacturers and wholesalers of pharmaceuticals received less than 7 per cent. of total N.H.S. expenditure. Chief overseas market (£3.3 millions) was Australia, followed by Nigeria (£2.1 millions). In 1958 for the first time exports to the United States exceeded £1 millions, and to Canada were just under that figure.

The Association has informed a committee of the British Association for the Advancement of Science, under the chairmanship of Sir Hugh Beaver, that its members "would welcome the adoption of the metric system in the U.K." and that if that were to occur it could be implemented within one year. A substantial majority of members also supported the adoption in the United Kingdom of a system of deci-

mal coinage.

A working party of scientists from the isotope division of the Atomic Energy Research Department, from the School of Pharmacy, University of London, and from eighteen member firms of the Association had continued "to examine the effect of radiation on those substances for which sterilisation by radiation might prove a practical alternative to existing methods and to determine the level of radiation required to ensure sterility."

Officers

At its annual meeting on April 30 the Council elected Mr. E. D. Carey (managing director, Imperial Chemical Industries, Ltd. (pharmaceuticals division)), *President* for 1959-60. Mr. H. W. Palmer (managing director. Glaxo Laboratories, Ltd.) was elected Vice-president; and Mr. G. T. Morson was re-elected Honorary Treasurer.

PHARMACEUTICAL LEGISLATION

British statutes and regulations explained at Rome conference

CONFERENCE arranged by the Italian Society of Pharmaceutical Science on the subject "Pharmaceutical Legislation in Europe," took place in Rome, May 4, 5 and 6. Six sessions were held, each addressed by delegates from the Benelux countries, France, Great Britain, West Germany, Switzerland and Italy. Mr. Berl Ble. land and Italy. Mr. Paul Blanc (World Health Organisation) was present at the opening session. On the afternoon of May 4 Mr. Alan Duckworth (secretary, Association of British Pharmaceutical Industry) gave a comprehensive review of the pharmaceutical legislation in force in Great Britain. He referred first to the Pharmaceutical Society, its charter, powers and duties, and to the pharmaceutical qualifications, going on to describe the structure of the poisons law, the various poisons schedules, labelling and manufacturing controls, and the conditions covering the supply

o+ poisons. After dealing with the legislation affecting Dangerous Drugs and therapeutic substances, he outlined conditions affecting the advertising, labelling and sale of medicines, he described in some detail the various aspects of the National Health Service. Under the heading "general medical services," Duckworth referred to the British National Formulary, Prescribers' Notes, and the "Cohen" classification.

Under "pharmaceutical services" he explained the scheme for testing of dispensed medicines and the system of payments for prescriptions, fully describing how the Ministry of Health supervised the prices paid for drugs supplied for use in the National Health Service. In the final section of his paper Mr. Duckworth referred to the laws (the Trade Marks and Patents Acts) designed to encourage scientific research

and to protect inventors.

NEW HOME FOR A WHOLESALER

Mayor opens premises for Bradley & Bliss, Ltd.

THE mayor of Reading (councillor E. A. Busby) ceremonially opened the new premises for Bradley & Bliss, Ltd., at King's Road, Reading, Berks, on April 29, in the presence of the managing director (Councillor C. G. Hammond), the chairman of the Reading Branch of the Pharmaceutical Society (Councillor J. P. Bate) and many friends.

assembly of the goods, simplifying the

operation of the conveyor-belt system.

The "streamlining" of operations has made possible a most economical use of space, giving increased efficiency on the warehousing side and allowing more room for manufacturing activities. The warehouse is provisionally geared to handle 750 orders daily, en-





Entrance to the new building and, at right, transferring goods from the shelves into standard containers on the conveyor belt.

Southern counties pharmacists will benefit from the reorganisation. For fifty of its 140 years the company has been at London Street, Reading, and the premises there had become too small and congested for present needs. In the new building incoming orders (the majority received by telephone) are "routed" for quick handling. The key is a conveyor-belt which, starting on the third floor, passes through each depart-ment until it reaches dispatch, where the assembled orders are put on to waiting vans with minimum physical effort. Ten telephone operators call customers at scheduled times, and the orders they receive are typed out in multiplicate. By means of a Lamson tube system a duplicate of the invoice is passed to each department concerned with the instructions. Standard containers are in use for suring same-day delivery to pharmacists in many comparatively isolated rural areas.

In the galenicals and special formula manufacturing departments appropriate equipment is backed by analytical control. A Solobed deioniser provides the quantities of purified water needed. Its capacity is a gallon a minute.

A DIAMOND JUBILEE

BRUCE Starke & Co., Ltd., Fenchurch House, essential oil merchants, 5 Fenchurch Street, London, E.C.3, celebrate their diamond jubilee this year. It was in 1899 that Mr. A. Bruce Starke started business in the essential oil and allied industry and although not now coming up to the London office he is still actively interested in the company of which he is governing director.

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a safe, non-irritant, low cost analgesic



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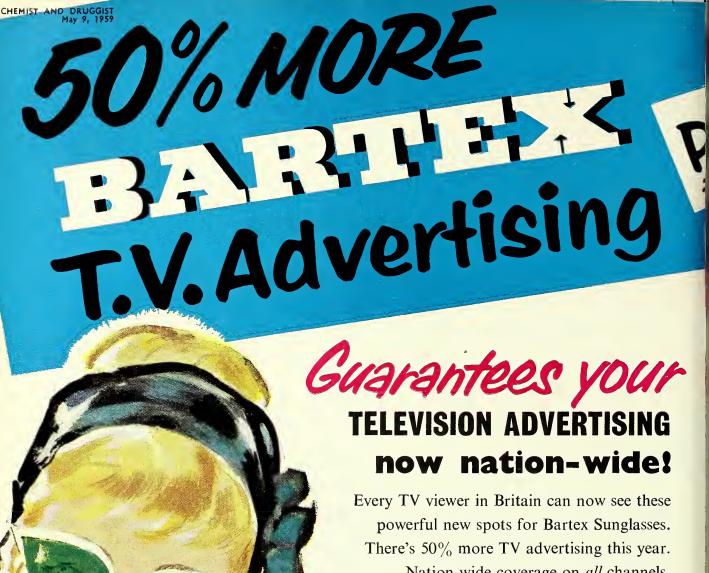
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TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

Better Prospects in Hospital Pharmacy

It is now over ten years since the hospitals came into the National Health Service, and during that time the pattern of organisation has become apparent. Whether the pattern is ideal may be debated, but there seems little likelihood of any fundamental changes.

The main instrument of administration is the Hospital Management Committee, with the Regional Board as the co-ordinating body for an area. Within the organisation the pharmacist, unlike the finance officer, supplies officer or engineer, has never been designated a principal officer of the Management Committee, but has been employed at the individual hospital. In the early days most hospital pharmacists were suspicious that the appointment of a group officer might be used as a means of down-grading the pharmacist at the individual hospital to the level of an assistant. That uneasiness no doubt hindered recognition of the importance of group organisation.

Time has shown that group organisation is necessary to the efficiency of the pharmaceutical service, and many pharmacists, though unrecognised officially as such and unrewarded, have been de facto group officers. The Standing Pharmaceutical Advisory Committee, following up the recommendations of the Linstead report (C. & D., March 5, 1955, p. 256) and again under Sir Hugh's chairmanship, has now firmly recommended that Group Pharmacists should be appointed. That advice has been accepted by the Minister and was published in a memorandum to hospital authorities released on April 28 (C. & D., May 2, p. 467). Group pharmacists will not be bureaucrats divorced from the daily chores of running a pharmacy, but will carry their responsibility for group organisation in addition to their duties as chief pharmacist to a hospital.

It is unfortunate that a mischievous reference to supplies officers again appears. The pharmacist is to "coordinate pharmaceutical supplies in consultation with the supplies officer." What advantage is gained by inserting that injunction it is hard to see. Time and again it has been proved that the more the supplies officer is brought into pharmaceutical affairs the greater the irritation and the lower the efficiency of the service. It is time that the Minister recognised that the supplies officer can only do office-boy duties for the pharmacist, and that those duties can be more efficiently performed by providing the pharmacist with a suitable clerk. With a pharmacist recognised as a group officer there should be no difficulty to the Hospital Manage-

ment Committee in transferring to him the full responsibility of a supplies officer so far as drugs and dressings are concerned.

An opportunity has been taken to recommend to hospital authorities that they should encourage students of pharmacy to obtain their practical experience in hospitals, and the Minister also recognises that such post-graduate students, though obviously contributing some useful work to the department, are primarily there to be trained and not to be used as substitutes for pharmacists in understaffed departments. That is laudable and welcome, and will reassure some hospital pharmacists who feared that the Ministry might attempt the retrograde step of urging the use in some of the smaller hospitals of assistants-in-dispensing without supervision.

The re-emphasis on the need for an active Regional Advisory Committee is also welcome and necessary. Such a committee is probably the most effective safeguard against faults due to ill-informed or unsympathetic Hospital Management Committees, since the Regional Board is in a strong position to influence development and must, in any case, approve finance. It is really now up to the pharmacists themselves to use the recommendations so as to urge upon Hospital Management Committees the improvements that are necessary.

It is mentioned in the memorandum that the Whitley Council will consider the allowances appropriate to Group Pharmacists. That will come as a welcome provision to many pharmacists who have been carrying out such duties for many years in an entirely honorary capacity. Since the recommendations really amount to a radical reorganisation of pharmaceutical staffing, the time is appropriate to bring under review the whole question of salary scales. The Guild of Public Pharmacists has already had discussions on the subject, and has sent out to its branches a proposed structure. That is most timely. Given a salary structure adequate to attract and keep in hospital pharmacy pharmacists with organising ability and keenness—the type in demand in industry and commerce—the "new look" could be the beginning of a bright new era in hospital pharmacy and might put an end to the depression and disillusion that has deterred so many in recent years from making it their career.

A PHARMACIST'S ANTHOLOGY

IMPORTANCE OF LABELLING

From Story of Buchanan Street (Glasgow, 1885), by Daniel Frazer

THE first [incident] alike in point of time and importance, is one that has largely helped to shape my course in regulating the keeping of stock. The butler or footman of a gentleman residing in St. Vincent Street—somewhere about 1832-34—asked me early one morning, when my brothers were at breakfast, for three ounces of laudanum. On my proceeding to label it, he said there is no use in doing so as the vial has to be emptied into the medicine chest bottle as soon as he got home—but I put the label on. In a quarter of an hour or so the butler returned saying that he had made a mistake, that it was tincture of rhubarb he was to have got. Had it not been labelled, the laudanum, doubtless, would have been put into the tincture of rhubarb bottle, and the person first requiring it, would have got the laudanum and been poisoned. The little boy who had sold it would, doubtless, have got all the blame. This has led me to be specially careful in keeping poisons, and to the distinctive labelling of all dispensing bottles containing poisons, the last application of this principle being the erection of the "Poison Room" in these new premises.

"OPEN SHOP"

AN UNSCRIPTED COMMENTARY ON THE SPECIAL PROBLEMS OF THE PHARMACIST IN RETAIL PRACTICE

E. C. TENNER

ATEGORICAL election statements of policy by candidates for election to the Council of the Pharmaceutical Society are rare indeed, yet under present conditions those statements are the only means by which we can choose our representatives. Year by year full opportunity is given to every candidate to set such an election policy statement in the hands of every member of the Society. What a chance—especially for the retiring Councillors offering themselves for re-election—to act as the leaders they want us to make them and lay reasoned policy statements before us.

Reward or Responsibility?

Having listened to many answers given by candidates at the joint meetings held to give us the opportunity of questioning them, I am now convinced that most of the candidates believe they are themselves specially qualified to receive the "Councillorship," which seems to some of them to be a sort of crowning reward for a successful business career in pharmacy. They do not see the Councillorship as a gateway through which only leaders should pass. If they did, and if they accepted that leaders should have a clear idea of whither to lead, I suggest that many of the candidates should, in honesty, retire from the contest, Candidate after candidate apparently betrays himself or herself by shying away from giving definite answers to questions on policy. I have heard new candidates assert, in all innocence. that they will no doubt be able to answer the question when they are on the Council, and meanwhile they keep an open mind. Yes, open and empty, too!

The retiring Councillor up for re-election has so often a standard form of approach an unnecessary but heartwarming confession of a desire to serve the profession, followed by a spell-binding list of past committee memberships and Chairs held. Then, on policy, nothing, dispensed as elegantly and as briefly as possible. See what Mr. Heseltine writes for us this year. Begging the question he states simply: "If re-elected I will continue to work for the good of pharmacy in general."

Mr. Hughes is more verbosc. He says he desires to serve and has been conscious of his responsibilities and hopes he has upheld the dignity of our Society. He finishes, "If re-elected it will be my constant aim to work for the betterment of pharmacy."

Mr. Steinman says the same: "In the twelve years I have now been privileged to serve my calling as a member of Council, the steady advancement of the pharmacist, and of the profession as a whole, has always been my main preoccupation. If I am re-elected, that same purpose will still be my main objective."

Gentlemen, you can do much better than this! You talk much of the "good" of pharmacy but do not tell us what it is, nor what must be done to attain it. Remember that the members of the Society are one of the most educated electorates in the world. You have left us quite in the dark as to your views on current topics. Why?

Miss Burr uses her opportunity to talk of her committee work. She declares it her opinion that "the successful future of pharmacy depends on the intake," and she has addressed many schools and careers conferences. She concludes, "I consider the right type of publicity for pharmacy and



"Pharmacy as a Career" is of vital importance today and would give this my first consideration and wholehearted support, thus bearing in mind and upholding the Society's motto Habenda Ratio Valetudinis." Miss Burr is no doubt clear in her own mind what she means by "successful future." "intake," "right type of publicity." She has not passed it on to us except by saying that she will bear the Society's motto in mind and uphold it. I looked it up in Incés Latin Grammar, as I'd not dispensed anything like that for a long time. According to Ince the motto means "It is our duty to care for health." So now do you know what Miss Burr means? Anyway, she did tackle the policy hurdle.

Mr. Brocklehurst's statement boils down to his experience and concern that the Council's policy "to consolidate a higher professional standing for its members shall be sound and favourable to the big majority of pharmacists" and to his "endeavour to interpret the wishes of the members." On the strength of those generalities he asks for the support of all pharmacists.

The remaining Councillor standing for re-election is Mr. Barnes. His statement could well be quoted to all the candidates as a model. It displays clearly and comprehensively the way Mr. Barnes could and would answer most of the questions that could be put to him. I wish however, he had said a little to explain what he means by "suitable publicity advantageous to pharmacy." Mr. Barnes has only been on the Council three years but he has already set a high standard in election addresses and I believe the electorate will appreciate it by sending him back for another three years.

Challengers

I always feel a certain admiration for the new candidates, who are trying to break into the Council. It often takes years to unseat Councillors who stand for re-election, but this year there must be at least one new face after the election, as Mr. Wells is not standing again. As new blood we are offered Mr. Grosset, Mr. Holland, Miss Perkins and Mr. Ridehalgh.

Mr. Grosset believes "at all costs our Society must retain its examination for the Ph.C. diploma. The future of the retail practice of pharmacy is in jeopardy and this is a reason why the newly qualified pharmacist prefers another branch of the profession." He feels the Council must "maintain a correct balance between the number of privately owned pharmacies and those of the companies and Co-ops." and "must ensure a steady flow of pharmacists into retail pharmacy." He sets up his ninepins, but he doesn't suggest how the Council might deal with them. If Mr. Grosset is wrong about the ninepins, the Council need not worry.

Miss Perkins bases her appeal for votes on her wide pharmaceutical experience. She says her endeavour will be to protect the interests of all sections of pharmacy, especially retail. She upholds the Charter and wishes more rewards and publicity to research workers and pioneers of new drugs and "less to the commercial exploiters." Miss Perkins casts her net very wide, but the meshes of it are large and vague.

Mr. Holland, a wholesaler, makes two policy points, the appointment of a full-time expert public relations officer by the Council and his feeling that too great an emphasis is

being placed on academic training in pharmacy.

Lastly, and very much to the point, I turn to Mr. Ridehalgh, who sounds like a breath of strong, fresh air awaiting voters' help to get into the Council chamber at Bloomsbury Square. He is for territorial representation which, he says, would reduce members' apathy. A retailer himself, he states that hospital salaries should be brought into line with retail. He is opposed to the registration of technicians, but believes that in any case the Society should keep control and registration in its hands. He says that important matters should be discussed by Branches before decisions are made by the Council, who should take more interest in the membership

and in new entrants. He believes that medicines should be sold only by pharmacists, that the retention fee for pharmacists over seventy years of age should be abolished, and that the Society should have a first-class fully trained public relations officer. "Multum in parvo" but strong and fresh! I congratulate Mr. Ridehalgh.

From criticising these policy statements I have learned quite a lot about the people who wrote them. Whoever does not get my vote, I intend to put crosses for Messrs. Barnes and Ridehalgh. The new Council will be the stronger if they go in. Remember, a weak Council means a bureaucratic administration, So vote this year.

Onward from Galen

A CURRENT CAUSERIE

ALEXANDER von Humboldt, who died a century ago on May 6, 1859, at the advanced age of ninety, was one of the most versatile figures in history: zoologist, botanist, physiologist, traveller, physical geographer, philosopher. Born in Berlin on September 14, 1769, he studied at Frankforton-the-Oder, Göttingen, and Freiberg. To pharmacists his chief claim to fame must be his contribution towards making pharmacy an exact science by submitting various medicaments to scientific analysis. Between 1799 and 1804 von Humboldt explored the forests and wilderness of Spanish America, making many valuable astronomical determinations and terrestrial surveys, and describing types of vegetation instead of merely listing species. One substance he wrote about was curare. In an account of its complex and difficult preparation he mentioned that the drug quickly kills an animal if introduced under the skin. He also studied electric eels and coined the term "galvanic" in honour of Luigi Galvani. His numerous honours included the foreign membership of the Royal Society in 1815. He was its Copley medallist in 1852.

4

What to do to persuade members of the Pharmaceutical Society to turn up for branch meetings is a perpetual problem and one that occupies much valuable time of the officers. Harrow Branch found that, despite a varied programme (designed particularly for retail members) attendance during the session fell by 25 per cent, from the previous session. They looked around for a device to persuade wayward members, who had not consented to be entertained or instructed by the acknowledged experts who had been engaged as speakers, to forsake their television sets (or invoices) and attend the annual meeting of the Branch. So instead of the usual formal notice of the meeting, members received an invitation verse, the work of one of the joint secretaries (Mr, G. K, Cade).

Before the current session ends
It is our bounden duty, friends,
To warn you all, in accents clear,
The A.G.M. will soon be here.
This the Society demands;
Requesting that by show of hands
We'll indicate that we, perforce,
Don't think they're flogging a dead horse.

A dull and tedious thought?—Agreed! But ere this to the flames you feed, Please listen to the reasons why There's more to it than meets the eye In being present, taking note, And exercising right to vote.

We'd like to have you air your views, Enjoy your company, know your news.

We'll talk awhile, o'er cup of tea, Hear about life in your pharmacy, Make your acquaintance, know you as friends, And share the knowledge of latest trends, We're proud to belong to Bloomsbury Square, But we obviously cannot assemble there. Let's meet on home ground when the clock strikes eight, In the Oak Hall, Harrow—and—the date?—

—Our term of office will be done On Tuesday, April twenty-one; And if this notice doesn't quite Read à la Square (description trite!). Unto the bureaucrats we bow, Duly confessing, here and now, To members all, both near and far, Taurus was never our ruling star.

To satisfy the powers that be, Attached herewith, for all to see, The "bull";—it bores you to distraction?— Then come and enjoy our star attraction.

Did it have the desired effect? Well, the information received is that there were more members present at the meeting than at the annual meeting of 1958.



For fifty-six years doctors in the United Kingdom have been receiving free copies of *Therapeutic Notes*, a medical journal published by Parke, Davis & Co. In that time the circulation of the publication has expanded. Today there are eight editions, some of the front covers of recent issues



of which are here illustrated. In the top row are the English general export, Spanish, Italian and Australian editions, and in the bottom row the Indian (in English), French, United Kingdom and Portuguese editions. Each issue of *Therapeutic Notes* contains articles on aspects of diseases, plus features of general interest to physicians, "International Forum" (discussions on therapeutic procedures by internationally known physicians), other articles and full-colour illustrations.

GUIDE TO NEW MEDICAMENTS

Information about proprietary products supplied principally on prescription. Reprints on perforated gummed paper for affixing to index cards are obtainable from the Editor. Notes on the products are given on p. 510

THE CHEMIST AND DRUGGIST Guide to New Medicaments, May 9, 1959

PACATAL elixir

MANUFACTURER: William R. Warner & Co., Ltd., Eastleigh, Hampshire.

DESCRIPTION: As for Pacatal. An elixir containing pecazine (as hydrochloride) 20 mgm. in 5 mils.

How Supplied: In bottle of 4 fl. oz.

FIRST ISSUED: April 1959.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, May 9, 1959

PARABAL

Manufacturer: West Pharmaceutical Co., Ltd., 9 Palmeira Mansions, Hove, 3, Sussex.

Description: A sedative and anti-tensive preparation. Tablets containing 260 mgm, of phenobarbitone sodium dihydroxy-aluminiumaminoacetate. The active principle in each tablet is sodium phenobarbitone, gr. 5, combined with a glycine derivative.

INDICATIONS: Anxiety states: phychosomatic conditions; hypertension; insomnia; and pre-menstrual tension.

Dosage: Adults: For the average patient on continuous treatment the dosage is one tablet morning and night. Up to two tablets three times daily may be given without undue side effects. Children: \(\frac{1}{4} \) to \(\frac{1}{2} \) tablet according to age.

How Supplied: In bottles of 100 and 500 tablets.

FIRST ISSUED: March 1959.

SUPPLY RESTRICTIONS: P.I., S.1, S.4.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, May 9, 1959

MILLICORTEN

MANUFACTURER: CIBA Laboratories, Ltd., Horsham, Sussex.

DESCRIPTION: White tablets (stamped CIBA on one side and scored with four dots on the other) each containing 0.5 or 1 mgm, of dexamethasone (16α -methyl- 9α -fluoroprednisolone).

ENDICATIONS: Any inflammatory or allergic condition in which the older corticosteroids have been used, including: Allergic conditions; blood, collagen, eye, gastro-intestinal, and lung diseases; metabolic conditions; nervous disorders; orthopædic conditions; rheumatic diseases; shock and skin disorders.

Dosage: The following plan will be suitable for most conditions: 1. Begin treatment with 3 mgm. daily. 2. If necessary increase to 4-6 mgm. daily. 3. Reduce dose gradually when response is apparent. Normal maintenance level 0.5 mgm. io 1 mgm. daily. Children's requirements vary with severity of condition, and with age and weight.

How Supplied: In containers of twenty-five, 100 and 500 tablets.

FIRST ISSUED: May 1959.

SUPPLY RESTRICTIONS: Therapeutic Substances Act.

References: Brit. med. J., 1959, 1, 429, Brit. med. J., 1959, 1, 643. Lancet, 1959, 1, 173, Ann. rheum. Dis., 1958, 17, 378.

THE CHEMIST AND DRUGGIST Guide to New Medicaments. May 9, 1959

DERMAPHYTEX

Manufacturer: Wynlit Laboratories, Ltd. (Distributors: Savory & Moorc, Ltd., 60 Welbeck Street, London, W.1).

DESCRIPTION: A colourless application that forms a film on the skin, demanding no protective dressing. The preparation contains borotannic complex 10.92 per cent. in an ethyl acetate and alcohol solvent.

INDICATIONS: For the treatment of tinea cruris; tinea pedia; tinea carbal; tinea corporis; pityriasis versicolor and erythrasma. Fungus infections due to: *Epidermophyton; trichophyton* and *microsporum*.

METHOD OF USE: To be applied twice daily and treatment continued for at least two weeks after remission of symptoms.

How Supplied: In bottle (with brush) containing 15 mils.

FIRST ISSUED: May 1959.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, May 9, 1959

NACLEX

Manufacturer: Glaxo Laboratories, Ltd., Greenford, Middlesex.

DESCRIPTION: Scored tablets each containing 50 mgm. of hydroflumethiazide, a chlorothiazide analogue. An oral diuretic that inhibits renal reabsorption of water and salt. Sodium and chloride ions are excreted in correct proportions and significantly increased potassium excretion may follow only prolonged and intense administration.

INDICATIONS: Congestive heart failure; nephrosis; cirrhosis with fluid retention; pregnancy toxæmia; steroid ædema; premenstrual ædema; as an adjunct to hypertensive therapy.

Dosage: 50-100 mgm, twice daily at breakfast and lunch for five days per week, in moderate or severe conditions; 25-50 mgm, in milder conditions. Dosage decreased when control is obtained. 25-50 mgm, morning and noon permits about half the dosage of ganglionic-blocking agents (hexamethonium, pentolinium, mecamylamine, etc.) in the therapy of hypertension.

How Supplied: In bottles of twenty-five, 100 and 500 tablets of 50 mgm,

FIRST ISSUED: April 1959.

Notes: Mild anorexia and headache may be avoided by taking tablets with meals. Potassium supplementation of gr. 30-60 daily is desirable at dose levels above 500 mgm. weekly.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, May 9, 1959

CALPOI

Manufacturer: Calmic, Ltd., Crewe Hall, Crewe, Ches.

DESCRIPTION: Tablets each containing 0.5 gm, of paracetamol, a non-irritant analgesic.

INDICATIONS: For the relief of pain in rheumatic conditions, dysmenorrhea, coryza, influenzal states, tonsillitis and headache; and for the treatment of pyrexial conditions.

Dosage: Adults: One to two tablets three times a day. Children of 2-6 years: Quarter to half a tablet; 7-12 years: Half to one tablet.

How Supplied: In containers of fifty or 500 tablets.

First Issued: April 1959.

REFERENCES: J. Am. pharm. Assn., 1958, 47. 479.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, May 9, 1959

PASADE (sodium PAS adegrate granules)

Manufacturer: T. J. Smith & Nephew, Ltd., Neptune Street, Hull.

Description: Granules presenting sodium pas in a new formulation, designed to improve palatability and to overcome the nausea and gastro-intestinal side effects. Consists of anhydrous sodium pas processed with a fat to minimisc gastric upset. Contains 96'4 per cent. sodium aminosalicylate (70 per cent. p-aminosalicylic acid). The granules are suitable where daily one-dose or two-dose therapy is being applied.

INDICATIONS: Tuberculosis.

Dosage: Usual daily dose is 4-6 scoopfuls (10-15 gm. of sodium pas) divided into two, three or four portions; it is best taken during or after meals by placing on the back of the tongue and swallowing with a glass of water, milk or fruit squash. or it may be sprinkled on cold food. Chewing of the granules is best avoided.

How Supplied: In heat-sealed polythene bags in containers of 500 gm, and 1,000 gm.

First Issued: April 1959.

Notes: Each pack contains a plastic measuring scoop.

REFERENCES: Canad. pharm. J., 1957. 90. 676.

*Cross reference for card index:

DEXAMETHASONE: See Millicorten.

HOSPITAL PHARMACISTS' WEEK-END SCHOOL

Success of an innovation at Nottingham

THE first week-end school of the Guild of Public Pharmacists was held in the Florence Boot hall, Nottingham

university, April 24–26, Mr. J. W. B. FISH (president), in opening the school, said he did so with great pride as it implemented two intentions of the Guild: "the advance-ment of the study of pharmacy and related subjects"; and "meetings for the reading of papers." He went on to emphasise that those attending were keen to learn how to become still better hospital pharmacists.

PROFESSOR G. E. TREASE welcomed the school to Nottingham. He said that he had already seen a number of former Nottingham students, no doubt returning "to the scene of their youthful follies." He welcomed the opportunity of showing Guild members over the present accommodation—an invita-

tion readily accepted.

On Saturday evening the 130 members of the school took part in a dinner and dance at which Professor Trease proposed "The Guild of Public Pharmacists" and Mr. FISH (president) responded, Mr. C. E. FORSTER (chairman, East Midland branch) proposed "The Visitors," MISS M. A. BURR responding.

On Saturday morning MR. J. B. KITCHEN (deputy head of the work study section, Imperial Chemical Industries, Ltd.), delivered a paper entitled "Work Study in Hospitals." Mr. Kitchen said that the unit studied should be one supplying goods or services needed by the community at a minimum consumption of real resources. It was necessary to have a system of measurement to use in a particular investigation. Industry measured performance in terms of profit or tonnage "throughput." In hospitals, work study should endeavour to achieve a better and more economical use of available services. More efficient use of slightly increased resources promoted increased productivity. The cost of the hospital service amounted to about half of the £740 millions expended upon the National Health Services and the services are the the s vice, and therefore there was a good case for using work-study methods. Basic resources could be summarised as man-power, materials, and capital equipment. Work study, in its efforts to increase efficiency, explored the possibility of improving basic processes; and plant and equipment, including simplification of the product combined with a reduction in variety of medals. with a reduction in variety of models. Those were intermediate measures requiring capital. The remaining three points he classified as short-term measures requiring minimum capital outlay; they were the improved operation of existing plant; improved planning in the use of man-power; and increased effectiveness of function. Work study was a tool to be used by management. It should never be used with a punishment end-point,

Selection of the work to be studied led to a recording of all the relevant facts. They had to be critically exam-

ined to ensure arrangement in an ordered sequence. When the best method became standard practice it was maintained by regular check on staff procedures. Recording procedures involved the use of statistical sampling. Fact must be separated from opinion. A "shorthand" code aided the recording routine. Thus a circle was used to signify a productive operation, and a parallelogram inspection. while transport or movement of work or operator was shown by an arrow:
D represented a delay or interference
with the work; and an inverted triangle

storage or keeping.

The speaker then provided examples of the application of work study in a number of different functions, A laboratory concerned with routine analytical tests, for example, was staffed by one girl who completed twelve tests daily. After rearrangement as a result of work study, the girl could carry out twenty tests in the course of a year and there was space for further requirements. A recent investigation of the central syringe service of a large hospital had required six weeks' study. Considerable improvement followed rearrangement of procedures and a capital outlay of £100. Annual figures showed £1.000 saved in salaries; overtime costs reduced by 15 per cent.; saving of materials £500; stock saving £650.

Critical Faculties Sharpened

In the discussion that followed MR. H. S. Grainger emphasised the cooperation the work-study investigators required from staff and manager. His own experience showed that three technicians formerly handling 900 syringes were able to deal with 1,300. His experience of work study had improved his critical faculties in other matters. Certain routine injection sterilisations had been shown up as non-productive. MISS M. D. SMITH, London, asked how the varying speed and efficiency of staff affected work-study findings. Mr. KITCHEN said that the basis was the hypothetical norm of an average worker. Extremes in speed or ability could not be applied. Another speaker asked if work study encouraged the social danger of regimentation. KITCHEN replied that, provided work operations were viewed through the eyes of the worker, he thought there was no reason to suppose work study would be responsible for regimenta-tion. Dr. T. D. WHITTET, London, pro-posed a vote of thanks to the speaker.

On Sunday morning MR. A. ROYCE (Boots Pure Drug Co., Ltd.) spoke on Modern Sterilising and Aseptic Techniques." Recently, he said, ethylene oxide had proved itself of value in sterilisation procedures. It was capable of producing sterility in liquids at concentrations of 0.5-2 per cent, v/v. The volatile liquid, which forms an explosive mixture with air, requires chilling for an hour or so before use. On warming, it evaporates into the atmosphere. In pure water a concentration of 0.4 per cent. v/v produces sterility. A protein reaction is liable to occur, with serum sterilised by the addition of 15 per cent. v/v, which may gel. Ethylene oxide has its greatest value used as a gas. At a concentration of 50-100 mgm. per litre it is lethal to B. globegii. The literature indicates a wide range of active concentrations, the speaker's own finding being that 200 mgm. per litre over 12–15 hours ensured sterilisation in certain applications.

| Ethylene oxide | Test material | Sterility |
|------------------------------------|--|---|
| $^0_{,0}$ v/v in air or $^0_{N_2}$ | soil dust containing 10 ⁵ spores/gm, sterility hours | colour change indicator sterility hours |
| 100 | <4 | 2 |
| 50 | 4-7 | 4 |
| 25 | 7-8 | . 8 |
| 10 | 16 | 19 |
| 5 | 22 | 45 |

Other factors influence the efficiency of sterilisation. The time factor is disturbed by temperature and relative humidity. Furthermore, absorption occurs with many substances.

The author gave the following figures

for absorption of ethylene oxide by substances in contact with a 10 per cent. v/v concentration for 18-24 hours

| | mgm, per gm, |
|-----------------------|--------------|
| polythene | 2 |
| PVC | 19-2 |
| Bakelite | |
| brown paper | 6.1 |
| kaolin | 2.5 |
| french chalk | 0.5 |
| sulphanilamide | 0.8 |
| red rubber closures | 5.5 |
| procaine penicillin | 0.2 |
| cotton wool absorbent | 2.5 |
| ,, ,, non-absorbent | 4.1 |

He gave the following figures for sterilisation in hours by ethylene oxide at a concentration of 10 per cent. v/v.

| Temperature °C. | Soil dust 105 spores/gm. | Colour change sterility indicator |
|-----------------|-----------------------------|--------------------------------------|
| 10 | 32 | 32 |
| 20 | 16 | 19 |
| 30 | 7 | 9 |
| 40 | 5 | 6.5 |
| 50 | 4 | 4.5 |
| 60 | 3 | 3 |

The value of gas sterilisation to the manufacturer comes when conditions may be arranged to allow for the time involved, not where speed is important. Pharmaceutical powders may be placed in containers closed by rubber plugs and exposed to a 25 per cent. v/v concentration of ethylene oxide for three days. To permit escape of the gas the containers are stored 7-14 days. Time, temperature, relative humidity and degree of sorption are variable factors that need to be considered. Gas sterilisation of liquids may be frustrated if organisms achieve protection within crystals. Bacteria act as seeds for crystal formation, and though that process inhibits growth and sometimes kills, survival is still possible and sterility tests are necessary. Sterility indicators depending upon a colour change show that sterilisation has occurred.

Various control devices indicating sterility were shown by the speaker, who next described gas sterilisation with β propiolactone. That compound is effective in concentrations of 0.5-1 per cent. and is used in sterilising homografts where the time required for sterilisation is influenced by temperature. Thus a 1 per cent, concentration sterilises at 37–38° C. in 1 minute; at 21–23° C. in 3 hours; at 0–4° C. no sterilisation in six hours; at 0.5 per cent. concentration and 21-23° C. sterilisation occurs in approximately 6 hours. In aqueous solution β propiolactone is hydrolysed to β lactic acid. The compound destroys penicillinase and causes serum to gel. Its best application is in the sterilisation of instruments and rubber closures.

Aseptic technique, said the speaker, demanded environmental control in the design of the laboratory or site of the work. Two methods were employed to reduce the infection risk from the operator. Either the technician was to some extent shielded from the working material, or the preparation was enclosed by elaborate screening from the operator. Both methods were used but in his own laboratory a glove-box type of apparatus was used. Ethylene oxide sterilisation overnight removed infection, and flushing with sterile air made possible a quick start in the morning.

Evans Medal Award

After lunch on Saturday, April 25, the Evans medal (for merit in pharmacy) was presented to Mr. C. H. Sykes (chief pharmacist, London Hospital). The presentation was made by Mr. W. A. Kinnear (home sales director, Evans Medical Supplies, Ltd.). Mr. Kinnear said that in his opinion hospital pharmacy received less publicity than was accorded to other branches of the profession. On that account the valuable work carried out in hospital pharmacy might pass unnoticed and unrewarded. The Evans medal was one way in which the esential work carried out in hospital pharmaceutical practice could be fittingly recognised and it was a great pleasure to him to present the medal to a pharmacist of the professional stature of Mr. Sykes.

After the presentation of the medal, MR. SYKES addressed the meeting on the subject of "Intravenous Transfusion Solutions for Special Purposes." To clarify the subject he classified the commonly used transfusion solutions into pharmacological groups, and then proceeded to deal with four of those groups in detail (lactate and bicarbonate solutions for the treatment of acidosis; potassium-containing electrolyte replacement solutions; transfusion solutions for the relief of pain; and concentrated dextrose solutions for the treatment of anuria).

He dealt with methods of production of the lactate solutions, suggesting that they were more conveniently prepared from sterile stock molar solution of sodium lactate containing phenol red of physiologically pure quality as an internal indicator rather than by the British Pharmacopæia method for compound injection of sodium lactate.

Speaking of the potassium solutions, he laid emphasis on the importance of

realising that patients might show signs of tissue potassium deficiency with a dangerously high plasma potassium; they could be killed unless the rate of administration of the potassium solutions was closely watched.

Mr. Sykes concluded by describing the dramatic circumstances surrounding the production of a series of transfusion solutions of piperoxane that had prevented a twenty-year-old patient from becoming blind before he could be operated. An ectopic phaeochromocytoma was liberating vast quantities of

noradrenaline and keeping the patient's blood pressure dangerously high. For the success of the transfusions a team had been responsible; the team included the pharmacist and the representative of a manufacturer whose gift of piperoxane worth £140 had ensured success.

Throughout the talk Mr. Sykes constantly emphasised the important rôle played by the pharmacist in the supply of intravenous transfusion solutions and the help that he or she could give to inexperienced house officers.

(To be concluded)

A PLATFORM FOR COUNCIL CANDIDATES

But only three appear

FOLLOWING the established custom of previous years, the London County Pharmaceutical Association invited candidates for the forthcoming election to the Council of the Pharmaceutical Society to attend a meeting in London in order to give members their views on policy and to answer questions. Of the ten candidates seeking election, four accepted the invitation though only three (Messrs. Heseltine, Holland and Ridehalgh) appeared on the platform at the meeting which was held at Bloomsbury Square on April 29. The fourth candidate (Miss Burr) did not arrive.

After each of the candidates had been allowed ten minutes to state his policy

questions were asked.

What would it cost for the public relations officer to do the work suggested? MR. HOLLAND: For a start £2-£3,000 a year.

MR. HESELTINE: "For a start" are the operative words. All schemes he found had a habit of becoming more expensive each year.

Why had the B.B.C. been given a handout concerning the Pharmaceutical Society's Council decision to discourage the use of slot machines in pharmacies?

MR. HESELTINE was not aware that that had happened, and called for the assistance of another member of Council on the floor (MR. A. ALDINGTON) who said that the facts had been published in the Society's journal and that the report would have been abstracted by the lay Press. The questioner, however, disagreed and said that the Society's headquarters had told him, after investigation, that the information had been sent out by the Society's Press agent. MR. RIDEHALGH and several members on the floor were critical of that action. Why cannot Council members give their own views, instead of the fixed policy of headquarters, when addressing branch meetings?

MR. HESELTINE did not agree that members were muzzled. "We are never told what to say."

Can we not have more factual report-

ing of Council minutes?

MR. HOLLAND thought that the present arrangement was satisfactory. Things were often said in the heat of an argument which, if reported later, would not enhance the profession. The knowledge that whatever they said might appear in print at some future date would have a detrimental effect on speakers.

MR. RIDEHALGH did not agree, and wanted fuller information.

Do you think sales of non-pharmaceuticals—for example photographic materials and cosmetics—are detrimental to professional standard of pharmacy?

MR. HOLLAND: "We sell these things because we were the first to make and sell them." The sales helped to finance the National Health Service in no small measure.

MR. RIDEHALGH agreed, but said that irrelevant sales must be watched.

MR. HESELTINE said that the Council's policy in that connection was that a pharmacy should look like a pharmacy. So far as photographic and cosmetics were concerned he knew of no other shop in his town that could handle them better than his own business.

None of the candidates agreed with the idea of registration of technicians in pharmacy. Discussion on post-graduate training or apprenticeship occupied much time. Mr. Heseltine said that the present position whereby over 90 per cent. of trainees went into multiple shops was causing concern. The trouble was that private companies seemed to have no time to handle them. Mr. RIDEHALGH thought that the Society's inspectors who were familiar with those pharmacies suitably equipped to train the students could give a more positive lead.

NOTES ON NEW MEDICAMENTS

CALPOL,—Chemistry: N-acetyl-p-aminophenol or paracetamol, This substance is one of the two into which phenacetin is metabolised in the body, and to which the parent drug's analgesic activity is due. It is free from the occasional s'de-effects of phenacetin, and has advantages over the salicylate analgesics as it is free from the risk of causing gastric disturbances or submucosal hæmorrhage. Other preparations of paracetamol are Panadol, Tabalgin and Eneril.

PACATAL. — Chemistry: 10-(1-methylpiperidyl-3-ylmethyl)-phenothiazine or pecazine. This derivative has a close chemical relationship to chlorpromazine, differing in the absence of a chlorine atom, and the replacement of the dimethylamino propyl group by a substituted piperidine ring. The drug has a complex pharmacological action.

PARABAL.—Phenobarbitone sodium dihydroxyaluminium aminoacetate. This combination of an amino acid derivative with phenobarbitone is characterised by a high rate of absorption, most of the drug being absorbed within six hours, with a maximum effect in six to eight hours. Elimination is fairly rapid, which enables the effective dose of phenobarbitone to be reduced, each tablet containing the equivalent of 4th grain of phenobarbitone. It is claimed that the intake of phenobarbitone can be reduced to one-sixth without loss of sedative action.

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DISPERSIBLE POWDER

THE ONLY PROTECTION AGAINST NEMATODIRUS; ALSO HIGHLY EFFICIENT AGAINST THESE OTHER SERIOUS WORM PARASITES IN THE UNWEANED LAMB:

Trichostrongylus axei, Haemonchus contortus, Ostertagia species, Cooperia species.

There is no worm preparation as effective as 'Frantin'. Its discovery by the Wellcome Research Laboratories represents a tremendous step forward in sheep husbandry. Today, deaths from deadly Nematodirus Infestation can be prevented and the retarding effects of other worm parasites soon halted by dosing unweaned lambs with 'Frantin'.

Lambs treated with 'Frantin' are healthier, heavier and more profitable to the farmer.

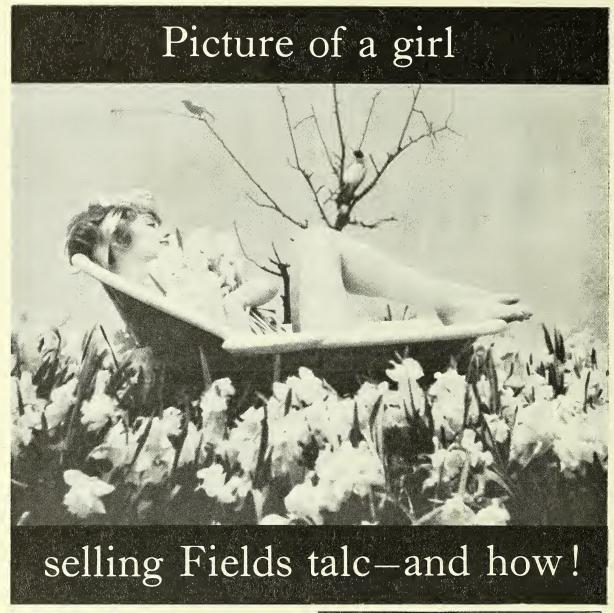


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The biggest-ever advertising campaign for a talcum powder is now running in WOMAN, WOMAN'S OWN, WOMAN'S DAY, WOMAN'S REALM and WOMAN'S ILLUSTRATED. In full pages and half pages of colourful, persuasive advertising, it features a fetching girl, a host of golden daffodils and the Fields hip bath.

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TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON. MAY 6: The price of Brazilian MENTHOL was steady at the previous week's level indicating, some thought, that the peak had been reached. While Chinese spot material was also unaltered and origin were still not offering, Formosan was easier by one shilling per lb. in the forward

Prime Cape ALOES was slightly easier while a small parcel of high-testing material was offered on the spot. The Curação variety was offered both on the spot and forward but the prices asked were generally thought to be too high to interest buyers. New crop Alexandrian hand-picked SENNA PODS have arrived and are all good quality. China Star ANISE is scarce at origin so also is white SQUILL on the spot. Dearer were Orris root by 10s. per cwt. for Florentine and HENNA by 12s. 6d. Gum ACACIA eased somewhat from the previous week's levels.

Brazilian PEPPERMINT OIL also became steadier on the spot although shipment advanced sixpence per lb. to make the c.i.f. and spot values the same. Lemongrass, Formosan Citronella and Chinese Spearmint were

Among Pharmaceutical Chemicals the 2-ton rate for ZINC OXIDE is now £110 10s, per ton representing a rise of 30s a ton

Pharmaceutical Chemicals

Aloin. — Spot offers (14-lb. lots) are 28s. 9d. per lb.

Ammonium Chloride. — Makers quote I-cwt. lots of B.P. powder at 90s. per cwt. and are quoting extra-pure crystals at 126s.

BENZAMINE.—16-oz, lots of LACTATE are 15s. 3d. per oz. and hydrochloride 16s. 3d. per oz.

BENZOIC ACID.—l-cwt. lots are 2s. $11\frac{1}{2}$ d. per lb.; and SODIUM SALT is 2s. $9\frac{1}{2}$ d. per lb. in 1-cwt. lots.

BISMUTH SALTS.—The following are the prices (per lb.) in largest bulk packages:—

| | 28 lb. to 1 cwt. | 1 cwt. | 5 cwt. |
|-----------------------|---------------------|--------|--------|
| CARBONATE | s. d. | s. d. | s. d. |
| | 22 3 | 21 9 | 21 4 |
| SALICYLATE SUBGALLATE | 21 9 | 21 4 | 20 10 |
| | 21 1 | 20 8 | 20 2 |
| | 20 5 | 20 0 | 19 6 |

The 1-cwt, rates (per lb.) for other salts are:—CITRATE, B.P.C., 22s, 8d.; NITRATE, crystals, 14s, 8d.; OXIDE, B.P.C., 27s, 7d.; OXYCHLORIDE, B.P., 27s. 9d.; OXYIODOGALLATE, B.P.C., 28s. 9d.; SODIUM TARTRATE, 35s. 6d.; and TRIBROMPHENATE, B.P.C., 26s. 9d. 35s. 6d 26s. 9d.

CHLOROCRESOL. — Pharmaceutical quality is quoted at 7s. 2d. per lb. for 1-cwt. lots.

CHLOROXYLENOL.—B.P. quality is 5s. 3d. per lb. for 1-cwt. lots and 5s. 1d. for 10-cwt.

EPHEDRINE. - ALKALOID, is nominally 6s. 6d. per oz., SULPHATE, 4s. and HYDRO-CHLORIDE, 3s. 3d. per oz.

GALLIC ACID.—B.P. is 10s. 7d. per lb. for 1-cwt. lots. Technical grade is 9s. 9d. per lb.

Hydrogen Peroxide. — 27.5 per cent. (by weight), £119 per ton; 35 per cent., £143 in returnable carboys.

Hydroquinone.—Quotations for 1-cwt. lots are 11s. 6d. per lb. or 25s. 4d. per

HYPOPHOSPHITES.—Prices per lb. are:-

| | 7 lb. | 28 lb. | 1 cwt. |
|-------------------|-------|--------|--------|
| CALCIUM, B.P.C. | s. d. | s. d. | s, d. |
| IRON, B.P.C. | 13 9 | 13 3 | 12 9 |
| Magnesium B.P.C. | 11 6 | 11 1 | 10 8 |
| POTASSIUM, B.P.C. | 9 3 | 8 10 | 8 5 |
| SODIUM, B.P.C. | 7 7 | 7 2 | 6 9 |

1chthammol. — B.P. is from 2s. to 2s 6d. per lb. in 1-cwt. lots as to origin and container.

Magnesium carbonate.—Minimum bulk rate for Light is 121s, per cwt.; HEAVY is 160s, per cwt. for 1-cwt. lots and about 130s, per cwt. for 1-ton lots.

MAGNESIUM CHLORIDE. — One-cwt. lots are quoted at 1s. 10d. per lb.; 5-cwt., 1s. 7d.

Magnesium hydroxide.—Makers' prices for B.P.C. are 1-cwt. lots, 3s. 5d. per lb. and 1-ton, 3s. 2d. per lb.

Magnesium oxide, B.P.—Bulk rates are as follows:—LIGHT, 3s. 2d. per lb., and HEAVY, 5s. 10d. per lb.

Magnesium peroxide.—Prices (per lb.) for 1-cwt. lots of B.P.C. (15 per cent.) is 3s. 11d.

MAGNESIUM SULPHATE.—Quotations for B.P. in minimum 1-ton lots vary between £18 and £21 per ton according to size of crystal and manufacturer. Exsiccated is £42 per ton. All ex works.

MAGNESIUM TRISILICATE.—In 28-1b. packages the prices (per lb.) are now as follows: -28-lb., 4s. $9\frac{1}{2}$ d.; 1-cwt., 3s. 10d.; 5-cwt., 3s. 7d.; 1-ton, 3s. 1d.

Nikethamide.—Price per kilo is 100s. Oxalic acid.—Manufacturers' rates for 1-ton lots are from £128 10s. per ton, delivered in free kegs.

PHENOL.—Basic price for ice crystals in drums is 1s. 4½d. per lb. (under 1-ton lots, 1s. 7½d.). Detached crystals, 2d. per lb. above and LiQUID, B.P., ½d. per lb. below the foregoing prices.

PHENYTOIN SODIUM.—B.P. is 23s. per 1b. in 1-cwt. lots or 25s. less than 56 lb.

SODIUM ACETATE.—B.P.C. in 28-lb. lots is 2s. 4d. per lb.; 1-cwt., 2s., and 5-cwt., 1s. 11d.

SODIUM - 1-cwt. lots are BROMATE. quoted at 9s. 9d. per lb.

SODIUM CARBONATE. - B.P.C. exsiccated is 70s. per cwt.; 5-cwt., 65s. per cwt.

SODIUM CHLORIDE. — Re-crystallised is 25s. per cwt, and B.P.C, 42s.

SODIUM METABISULPHITE. — Granular in 1-ton lots is from £48 12s. 6d. to £53 17s. 6d. per ton according to packing.

SODIUM PERBORATE. — Prices (per ton) are £145 15s. in 1-cwt. kegs; £138 5s. in 1-cwt. bags for B.P.C. (minimum 10 per cent. available oxygen). The PERBORATE MONOHYDRATE testing 15 per cent. available oxygen is £309 15s. and TETRAHYDRATE, from £131 15s. to £139 5s. per ton, as to packing.

SODIUM PERCARBONATE. — Price (per cwt.) is 170s. 9d. (bags, 7s. 6d. lower) for minimum 12½ per cent. available oxygen.

SODIUM PHOSPHATE. - B.P.C. powder is 2s. 3d. per lb.

SODIUM SALICYLATE.—Rates are now:— 1-ton lots in bulk, 3s. 7d. per lb.; 5-cwt. 3s. 8d.; 1-cwt. 3s. 10d.

SODIUM SULPHATE. — Makers' prices for B.P. range from £12 10s, to £19 17s, 6d, per ton as to crystal and quantity, ex works

SODIUM SULPHITE. — 1-ton lots on the spot of ANHYDROUS (48-50 per cent.) are £71 10s. per ton in 1-cwt. drums or £67 5s., in 1-cwt. bags. CRYSTALS, B.P.C., are £32 15s. per ton in 1-cwt. paper-lined bags. Commercial crystals are from £27 to £28 15s, as to packing.

SODIUM THIOSULPHATE. — Makers' price for 1-ton lots of photographic grade in paper-lined bags of £38 per ton.

THEOBROMINE, — ALKALOID is about 27s. 6d. per lb.

ZINC OXIDE. — Dearer. B.P. quality in 2-ton lots is £110 10s.; 1-ton, £111 10s.; 10-cwt., £113 10s.

Alcohol

Alcohol

British Spirit per proof gall.:—

Ethyl Alcohol: (95 per cent. Gay
Lussac, 66 o.p.); where the number of
proof gall. taken over any one year ended
March 31 is 300,000 or over 4s. 0\frac{1}{3}d.;
200,000 and less than 300,000, 4s. 0\frac{1}{3}d.;
100,000 and less than 200,000, 4s. 1\frac{1}{3}d.;
10,000 and less than 50,000, 4s. 1\frac{1}{3}d.;
2,500 and less than 50,000, 4s. 2\frac{1}{3}d.;
2,500 and less than 10,000, 4s. 2\frac{1}{3}d.;
2,500 and less than 10,000, 4s. 1\frac{1}{3}d.;
2,500 and less than 10,000, 4s. 2\frac{1}{3}d.
3 Prices
are exclusive of duty and are for tank
wagon lots. In 40-gal. drums there is a
surcharge of 1d. per proof gall. The following grades are subject to a premium
on the above prices as set out in the next
paragraph: paragraph:-

Absolute Alcohol, 95·5 per cent., 74·5 o.p., 3d. more per proof gall., the special high strength (99·9 per cent., 75·2 o.p.), 5d. more. Doubly Rectified Alcohol (S.V.R.) 95·8 per cent., 68 o.p., is 3d. more and P.I. Rectified Alcohol, 96·1 per cent., 68·5 o.p., 8d. more. R. R. Absolute Alcohol (re-rectified, 99·7 per cent., 75 o.p.), 14s. 10d. per bulk gall. net.

Methylated Spirit

METHYLATORS' rates per bulk gall. in Great Britain are as follows:—

Great Britain are as follows:—

Industrial Methylated spirit: Strength 61 o.p., 500 gall, and over, 5s. 11d.; 100 gall, and under 500 gall, 6s. 2d.; 40 gall, and under 100 gall, 6s. 5d.; 10 gall, and under 40 gall, 6s. 10d.; 5 gall, and under 10 gall,, 7s. 3d. Strength 64 o.p., ½d. per gall.; 66 o.p. (B.P.), 1d.; 68 o.p., 3½d. more than the above rates with 74 o.p. at 6s. 8½d., 6s. 11½d., 7s. 2½d., 7s. 7½d. and 8s. 0½d. per gall. for similar quantities. Tank wagon delivery is 1½d. per gall. off list price—minimum, 500 gall. For industrial methylated spirit of standard toilet quality prices are from 7s. 2½d. (tank wagon) for 500 gall, to 8s. 8d. for 5–10 gall. (in drums) for 61 o.p.

Pyridinised industrial methylated spirit:

Pyridinised industrial methylated spirit: ryndimsed industrial methylated spirit: Strength 66 o.p., 500 gall, and over, tank wagon delivery, 6s. 2d.; 100 gall, and under 500 gall. (in drums), 6s. 6½d.; 40 gall, and under 100 gall., 6s. 9½d.; 10 gall, and under 40 gall., 7s. 2½d.; 5 gall, and under 10 gall., 7s. 7½d.

Mineralised methylated spirit: Strength 64 o.p. in one delivery, 100 gall. and under 500 gall., 6s. 6½d.; 40 gall. and under 100 gall., 6s. 9½d.; 10 gall. and under 40 gall., 7s. 2½d.; 5 gall. and under 10 gall., 7s. 2½d.; 5 gall. and under 10 gall.,

Methylated resin finish is 3d, per gall. over and methylated shellac finish is 1s. per gall. over the prices of pyridinised methylated spirit.

Terms:-Deliveries free and carriage paid on returned empties; net cash.

Crude Drugs

AGAR. — Kobe No. 1 is 11s. per lb., in bond; new-crop for shipment, 11s. 3d.,

ALOES. — Cape prime on the spot is 212s. 6d. per cwt. and for shipment, 185s., c.i.f. Curação, 500s., spot; shipment, 540s., c.i.f., asked.

ANISE.—China Star is scarce at origin. Forward shipment done at 110s, per cwt., c.i.f.; spot, 125s., in bond.

BALSAMS. — Quotations per lb. are:—CANADA: Spot, 23s. COPAIBA: Para from 7s. 6d., duty paid. PERU: Scarce at origin. Spot, 10s. in bond. Tolu (genuine as imported): 17s., spot and 15s., c.i.f.; B.P., 15s. spot 15s. spot.

BUCHU.—Spot rounds are 5s. 9d. per 1b. and new-crop for shipment, 5s. 2d., c.i.f.

CALABAR BEANS.—Spot offering at 1s. 7½d. per 1b.

CARDAMOMS. — Aleppy greens, spot. 14s. 6d. per lb.; forward shipment, 13s. 9d., c.i.f. Seeds, spot. 22s., shipment, 19s. 6d., c.i.f.

Cascara. — Spot 1958 peel, 225s. per cwt., shipment, 200s., c.i.f.

Cassia Lignea.—Spot, in bond, whole 265s. and shipment, 225s., c.i.f., per cwt.; FISTULA, 115s.

CHERRY BARK.—Thin natural is 1s. 5d. per lb., and rossed is 1s. 11d.

CINNAMON.—Ceylon for April—May shipment (c.i.f.) per lb.; OOOO, 6s. 5\frac{1}{2}d.; OOO, 6s. 2\frac{1}{4}d.; OO, 6s. 0\frac{1}{2}d.; seconds, 4s. 8\frac{1}{4}d.; featherings, 2s. 1\frac{1}{4}d.; quillings, 3s. 9d.; chips, 1s. 0\frac{1}{2}d.

COCILLANA.—Bark is 1s. 8d. per lb. on the spot.

COLOCYNTH PULP.—Spot, 2s. 9d. per lb. DIGITALIS LEAF.—Purpurea from 1s. 2½d. to 2s. 7d. per lb., c.i.f.

ELEMI.—Spot from 1s. $10\frac{1}{2}$ d, per lb.

ERGOT.—Portuguese for shipment nominally 7s. 3d., c.i.f., per lb. Eastern European not offering.

Frangula.—Spot is 105s. per cwt.

GENTIAN. — Spot: French, 160s. per cwt.; Jugo-Slavian, 152s. 6d.

GINGER. — African, 120s. per cwt. spot and 102s. 6d. (new crop), c.i.f. Jamaican No. 3, spot, 257s. 6d. and shipment 230s., c.i.f. Cochin spot quoted 120s.; shipment 147s. 6d., c.i.f.

GUM ACACIA. — Kordofan cleaned sorts are 160s, per cwt. on the spot; June–July shipment, 155s., c.i.f.

HENNA.—Indian on the spot is now 95s. per cwt., ex wharf.

HONEY. — Australian light amber 110s. to 115s. and medium amber 100s. to 105s. Argentine, 100s. to 105s.; Jamaican 120s. to 125s.; New Zealand clover, 170s., nominal; all per cwt, on the spot.

Karaya. — No. 1 gum on the spot is quoted at 260s. per cwt., No. 2 at 185s.

Kola nuts. — Jamaican spot market cleared, shipment, 7d. per lb., c.i.f. African 5d. to $5\frac{1}{4}$ d. spot and 4d., c.i.f.

LIQUORICE. - Natural root: Persian on the spot is 50s.; for shipment, 42s. 6d., c.i.f., per cwt. Block juice: Anatolian and Chincse, 190s. per cwt.; Italian stick from 310s. to 476s. per cwt. Spray dried extract, 3s. per lb.

LOBELIA HERB. - Spot offers of American are 3s. 9d. per 1b. and for shipment, 3s. 6d., c.i.f. Dutch 3s. 1d., c.i.f. for 6d., c.i.f. shipment; spot 3s. 5d.

MENTHOL. — Chinese is 62s. 6d. per lb. in bond; Brazilian, spot, 40s., in bond; May shipment, 39s. 6d., c.i.f.; Formosan, 42s. 6d., c.i.f.; and Japanese, 48s., c.i.f.

NUTMEGS. — West Indian 80's 17s. per per, spot; sound unassorted, 12s. 6d.; lb., spot; soun defectives, 8s. 9d.

Nux vomica.—Scarce. Shipment, 65s.

Orange Peel. — Spot: Sweet ribbon, 2s. per lb.; bitter quarters: West Indian, 1s.; Spanish, 1s. 7d.

Orris root. — Florentine is 345s. per

Papain.—East African, 17s. 6d. per lb., c.i.f., for grade one, spot, 20s. Belgian Congo and Ceylon No. 1 white, 16s., c.i.f.

PEPPER.—White Sarawak spot, 2s. 11d. per lb., May shipment, 2s. 10\frac{1}{3}d., c.i.f.; Black Sarawak, spot, 1s. 9d., May shipment, 1s. 8d., c.i.f. Black Malabar new-crop for May-June shipment, 210s., c.i.f., quoted, spot, 225s.

PEPPERMINT LEAVES.—Dutch, 2s. 2d. to 2s. 10d. per lb., c.i.f.

PIMENTO.—Spot value is 550s. to 560s. per cwt.

Pyrethrum.—Extract, minimum 25 per cent. w/w pyrethrins, is 75s. per lb. for small lots.

Quassia.—Spot offers are 50s. per cwt., ex wharf.

QUILLAIA.—Spot offers of whole bark at 125s. per cwt.; cut, 160s. Whole for shipment, 95s., c.i.f.

RAUWOLFIA.—Canescens, 3s. 6d. per lb., c.i.f.; Vomitoria, 2s. 3d., c.i.f.; Serpentina, 6s., c.i.f. asked.

SARSAPARILLA.—Jamaican native red on the spot is 2s. 6d. per lb. Shipment, 2s. 4d., c.i.f.

SAFFRON. - Spanish is quoted at 200s.

SEEDS. — (Per cwt.). Anise. — Spanish, 157s. 6d.; Turkish, 137s. 6d.; both duty paid. Caraway.—Dutch in poor demand at 107s. 6d., duty paid. Celery.—Little interest in Indian at 160s. spot; shipment, 132s. 6d., c.if. Coriander.—Moroccan control of St. duty paid and shipment at 50s. duty paid and shipment. interest in Indian at 160s, spot; shipment, 132s. 6d., c.i.f. Coriander.—Moroccan quoted at 50s. duty paid and shipment at 39s., c.i.f. Cumin.—Iranian firm although little business passing at 270s., duty paid. DILL.—Indian selling at 75s. spot; shipment, 67s. 6d., c.i.f. Fennel.—Chinese, 140s., duty paid. Indian is 145s. Fenugrees. — Moroccan 42s. 6d., duty paid with business reported. Mustard.—English, 120s. to 125s. according to quality.

SENEGA. — Spot offered at 14s. 9d. per lb.; shipment, 14s., c.i.f.

SENNA. — Tinnevelly LEAVES, prime No. 1, 1s. 5d. per lb., f.a.q.; No. 3, 10d. Pops: Manufacturing (f.a.q.), 1s. 3d., and hand-picked, 1s. 9d, to 2s. 2d. Alexandria pods: Manufacturing, offered from 1s. 6d. with hand-picked from 4s. to 6s. 6d.

Sheulac.—F.O.T.N. 177s. 6d. per cwt., O. No. 1, 207s. 6d.; fine orange, 215s. to 267s, 6d.

SOUILL.—White is cleared on the spot; new crop, June shipment quoted 80s., per cwt., c.i.f.

STRAMONIUM. — Indian Leaves 60s. per cwt., spot. Dutch 0-5 per cent. alkaloid, 94s., c.i.f.

STYRAX. — Spot. 26s. 6d. per lb. shipment, 23s. 9d., c.i.f.

Tonquin Beans.—Para on the spot are offered at 8s. 8d. per lb. Angostura, 11s.

TRAGACANTH. — No. 1 ribbon is £115 to £120 per cwt. No. 2, £105 to £110.

TURMERIC. — Madras finger is 85s. on the spot; shipment, about 80s.

VALERIAN ROOT. — Spot: Indian (with rootlets) is 130s, and Belgian, 175s, to 195s, per cwt. Dutch (max. $2\frac{1}{2}$ per cent. sand) for prompt shipment, 159s., c.i.f.

Vanillin. — Rates (per lb.) are now: 5-cwt. lots, 23s. 3d.; 1 cwt., 23s. 6d 56-lb., 23s. 9d.; smaller quantities, 24s.

Waxes. — (Per cwt.). BEES'.—Dar-eswaxes. — (Per cwt.), BEES'.—Dar-es-Salaam, spot, 480s.; shipment, 465s., c.i.f. Abyssinian, spot 450s. in bond; shipment, 410s. c.i.f. Benguela spot, nominal; shipment, 425s., c.i.f. Candellella.—Spot 460s. Carnauba.—Fatty grey spot, 580s.; for shipment, 580s., c.i.f. Prime yellow, spot, 910s.; shipment, 885s., c.i.f.

Essential and Expressed Oils

Antse.—Chinese, 8s. 1½d. per lb., spot: shipment, 8s., c.i.f

BAY.-West Indian is 12s. 6d. per lb. on the spot.

CADE.—Spanish is 3s. 6d. per lb. for drum lots.

CALAMUS.—Spot quotations are 62s. 6d. per 1b.

CARAWAY.—Imported oil is 27s. 6d. per

Cassia.—Spot is 13s. 3d. per lb.; shipment, 13s. 3d., c.i.f.

CELERY SEED. — Oil is 65s. per lb. for bulk lots.

CINNAMON. -CINNAMON. — From quillings, best English-distilled is 50s, per oz.; other B.P. oils from 165s. per lb. Ceylon, leaf, spot. 11s. 6d. per lb.; shipment, 10s. 10½d., c.i.f., rectified, 15s. per lb.; Seychelles. - From quillings, best Eng-6s. 6d., spot.

CITRONELLA. — Ceylon, spot is 3s. 9d., shipment, 3s. 5½d., c.i.f. Formosan, spot 4s. 1½d. in bond, shipment, 4s., c.i.f.

CLOVE.—Madagascar leaf spot and forward prices are nominal. Rectified 87–88 per cent., 8s. 6d. Distilled bud oil. English, B.P., 30s. to 31s.

CUBEB.—Small spot supplies of imported are 65s. per lb.; English, 90s.

CUMIN,—Imported oil is now about 90s. per lb.

GERANIUM. — Bourbon is 137s. 6d. per lb. on the spot and 135s., c.i.f.

GINGER.—English-distilled oil is 160s. per lb. Imported: Jamaican, 130s.; Chinese, 72s. 6d., duty paid.

Grapefruit. — Jamaican, 20s. per lb. spot. Californian for shipment, 19s. 8d. per lb., c.i.f. South African, 10s. spot. Lavandin.—Spot is from 10s. to 12s. 6d.

per lb. for original drums.

LAVENDER.—French oil, 40-42 per cent. is 42s. per lb.

LAVENDER SPIKE.—Spanish is at 15s. to 17s. per lb. for original drums.

LEMON.—B.P. grades from 16s, to 26s, per lb. on the spot. Californian for shipment, 25s, to 28s. 6d., c.i.f. Terpeneless, 500s. per 1b.

LEMONGRASS.—Spot 6s. 1½d. per lb., and shipment, 5s. 10d., c.i.f.

Orange.—Spot quotations of sweet oil include Floridan at 7s. 6d. per lb.; Californian, 10s.; West Indian, 8s.; West African, 14s.; Israeli, 12s. 6d. For prompt shipment. Californian cold-pressed U.S.P., 10s. 9d., c.i.f.; distilled, 5s., c.i.f. Terpeneless is 200s, per lb., spot.

PEPPERMINT.—Arvensis: Chinese is per lb., spot nominal; shipment not offering. Brazilian firm at 12s., spot and shipment. Formosan, 16s. 6d., spot; May shipment, 16s., c.i.f. *Piperita*: Italian "Mitcham-type" from 42s. 6d. to 48s. 6d.; American, 27s. 6d. to 30s., as to origin.

SAGE.—Spanish is 10s. per lb.

Spearmint.—Offers of U.S.P. grade are from 37s. 6d. per lb. spot. Chinese, 30s., in bond.

UNITED STATES REPORT

New York, May 5: Prices for Borax will be increased on July 1 to make the ANHYDROUS \$4.50 higher at \$87.50 a ton. Other grades will be raised, as will BORIC ACID. The only American Tar-TRATES' maker has decided to close down production and import those items from Europe. Lower per lb. among Crude Drugs were Buchu at 95 cents, down five cents, and SENEGA at \$2.15, also down five cents. Higher per 1b. among ESSENTIAL OILS were CLOVE LEAF at \$1.30, up five cents, and PAT-CHOULI, at \$4.50, up 10 cents.

FIRST CONGRESS OF COSMETIC SCIENCE

A central research organisation suggested

A FIRST congress of cosmetic science, organised by the Society of Cosmetic Chemists of Great Britain, was held in

London, April 16-17.

Thirty-six of the 270 who attended came from thirteen overseas countries (eight from Germany, five each from Holland and America, four each from France and Denmark, and three from Belgium). Sixteen papers were discussed, and their subjects covered market research, product testing and development, production, and ethics.

DR. R. H. MARRIOTT (County Laboratories, Ltd.), said he did not favour the recent trend to regard cosmetics as a psychosomatic factor. That could lead to a new form of self-medication. PROFESSOR W. S. BULLOUGH (London University) claimed, however, that cosmetics had become a factor in preventive medicine by reason of their beneficial effect in treating imbalance. Empirical formulas must, he said, yield to more scientific ones based upon research, knowledge of skin biology, and rational product testing. [He had presented that view the previous evening in a television programme.]

Developments in laboratory automation were reviewed by Mr. R. Barrington Brock (Townson & Mercer, Ltd.). Dr. W. W. Myddleton suggested that a centralised technical committee could assist the electronic and instrumentation industry in designing

apparatus.

Discussion turned on the setting-up of a central research body for the industry, possibly under the Society.

DR. J. C. FEINBERG (Bencard allergy

DR. J. C. FEINBERG (Bencard allergy research laboratories) presented a paper on the mechanics of allergy, listing substances capable of producing it (among them such pharmaceutical materials as acacia and tragacanth and oils of almond, spearmint, wintergreen, and lemon).

Criticisms levelled against the British Pharmaceutical Codex for including triethanolamine stearate in a barrier cream were referred to. Dr. Feinberg stated that sensitivity to triethanolamine had arisen only since the introduction of synthetic detergents.

duction of synthetic detergents.

DR. E. J. MOYNAHAN (a dermatologist at Guy's hospital) discussed the diagnosis and prophylaxis of cosmetic dermatitis and described a suggested model scheme for testing new cosmetics for human use. Under his scheme the investigator would first test himself, then ten volunteers; then, if no reaction occurred, a further ten, and then 200. Provided no reaction developed the test would be deemed satisfactory. If there were any reaction a further 200 volunteers would be tested.

DR. F. J. EBLING (Sheffield University zoology department) discussed recent advances in skin biology and said that cosmeticians needed to take note of endocrine and dietary as well as chemical and physical factors. Topically applied "nutrients" were of less value than orthodox nutrients via the peripheral vascular system. Vitamin and hormone face cream supplements and "hair restorers" were not always

scientifically justified. He queried the use of fatty acids and their esters under the generic name vitamin F, but said that deficiencies of linoleic and arachidonic compounds could lead to dermatitis. The reason for follicle growth was unknown and therefore baldness could not be scientifically treated.

MR. W. G. VAN ABBE (Genatosan, Ltd.), outlined principles to be applied to raw material standards and specifications. To ensure consistency, he said, each should have a reference number; buying description; supplier's name, delivery-container details; and an indication of storage requirements. Mr. S. J. Bush suggested that analytical procedures should also be included in specifications. Mr. A. Taylor was concerned with viscosity standards and that prompted mention of a new instrument for measuring viscosity, developed from work carried out at the National Institute of Dairying.

MR. D. McLean Wylle (T. B. Ford, Ltd.), gave mathematical evidence of what was required in a filtration medium. When, in discussion, the suggestion was made that variations in results might occur if bacteria of differing shapes were used as standard test material, he showed that the influence of such considerations on the efficiency of filtration was small.

efficiency of filtration was small.

DR. J. E. O. MAYNE and MR. K. F.
LORKING (Cambridge University metallurgy department) showed how the corrosion of aluminium and iron could be
inhibited and the action explained in
terms of a new theory of corrosion.
With solutions of sodium perchlorate.
sodium formate, sodium sulphate and
sodium chloride at pH values of 6.7.
6.9, 6.5 and 6.5 respectively, corrosion
occurred. It was inhibited by an
anodic polarisation effect in solutions
of sodium acetate, bicarbonate, borate,
carbonate etc. The method was, he
said, undergoing large-scale investigation. Unfortunately full understanding
of aluminium corrosion was not yet
available.

MR. H. VAN DEN DOOL (Polak & Schwarz, Ltd.), reviewed analytical methods for assessing perfumery raw material odour. Evaluation by experts did not always, he said, correlate with physical and chemical tests. Pharmacopæial quality was no protection for the cosmetic manufacturer, whose requirements frequently differed from those of the pharmacist. By chromatographic techniques and infra-red spectroscopy, combined with experience and co-operation with the production manager and perfumer, the analyst's work could be rationalised.

From the school of pharmacy laboratories at the Glasgow Royal College of Science and Technology, Drs. Stenlake and Williams presented a paper on the use of sodium borohydride in the ultra-violet spectrophotometry of essential oils.

metry of essential oils.

A paper by Dr. D. H. Powers (Warner Lambert Research Institute. New Jersey, U.S.A.), presented in his absence, dealt with laboratory tests as

a basis for accurate market testing. Experience had shown that panel testing could too easily degenerate into a study of human behaviour rather than objectively providing data upon product performance. Laboratory testing evaluated properties and reproducible performance, and the American Society of Cosmetic Chemists had six committees studying the laboratory evaluation of shampoos; permanent-wave lotions; aerosols, creams and lotions; deodorants and antiperspirants; face and body powders. The paper gave details of tests for a range of chemicals used in shampoos.

WORLD TRADE

Venezuela's Cosmetic Production. — In a report on Venezuela, the United States Department of Commerce observes that soap and toilet preparations are manufactured by a number of plants which supply about 90 per cent. of local consumption of toilet soap, toilet water, talcum powder, and brilliantines, over half the country's needs for such items as shampoo and face powder, and a high proportion of dentifrices and deodorants.

Anglo-Czech Trade Talks.—Discussions between representatives of the United Kingdom and Czechoslovak Governments to establish quotas for 1959 have now been concluded, and new quota lists for the calendar year 1959 will replace provisional lists which had been established for the three months' period ended March 31. The new quotas are the same as those for 1958, and provide opportunities for trade in the goods listed at annual rates of up to some £4'4 millions for United Kingdom exports and up to some £6'4 millions for Czechoslovak exports.

Higher Taxes in Canadian Budget.—Heavier taxes on personal and corporation incomes and commodity sales were announced by the Finance Minister, Dr. Donald Fleming, on April 9, in a "recovery" Canadian budget aimed at a smaller government deficit. Mr. Fleming added another 1 per cent. tax on taxable personal incomes up to \$3,000, effective on July 1, and 1 per cent. to corporate incomes retroactive to January 1, and increased the commodity sales tax to 11 per cent. from 10, to take effect at once. Import duties are reduced on a number of products including perfumes.

Indian Import Policy.—India's import policy for the next half year (April-September) is to be generally the same as for the period just ended. One special feature, however, is the extension of licences for the import of industrial raw materials for longer periods of about nine to twelve months. Items for which quotas are increased include gum acacia and bleaching powder. Quotas have been reduced for a number of items and there has also been a minor cut for drugs and medicines. Quotas for mercuric chloride, phosphoric acid, and di-calcium phosphate have been withdrawn.

TELEVISION

Programme details are given to enable chemists to put in linking-up displays if they wish. Figures in the columns represent number of appearances of the product during the week.

| May 17- 23 | London | Midland | North | Scotland | Wales | South | z Z |
|---------------------------------------|-------------|---------|----------------------------|----------|----------|-------|--------|
| Alka-Seltzer | 2 | 1 | 1 | _ | 2 | | 1 |
| Amami wave set | - | 3 | _ | _ | _ | - | - |
| Anadin | 3 | 3 | 3 | 4 | 3 | - 3 | 3 |
| Andrews liver salt Anne French | 1 | 1 | 1 | 1 | 1 | 1 | 4 |
| Askit | _I | _ | _ | 12 | _ | _ | _ |
| Aspro | 2 | 2 | 3 | 3 | 4 | 3 | 4 |
| Beecham's pills | 4 | 2 | 2 | 3 | 3 | 3 | 3 |
| Beecham's powders | 3 | 3 | 2 | 3 | 3 | 3 | 3 |
| Bristow's shampoo Brylcreem | 2 10 | 2 | 3 2 2 2 2 3 | | | _ | 10 |
| Camay soap | 2 | 3 | 2 | 2 | 2 | 2 | 4 |
| Cephos | _ | _ | 3 | _ | _ | _ | |
| Christy's lanoline face pack | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Cooper's aerosols | 3 | 2 | 2 | 2 | 3 | 2 | 1 |
| Cutex lipstick Cuticura | 3 | 4 | _3 | _ | _ | | _ |
| Damaskin | 1 | 1 | _ | | | _ | _ |
| Dento | | _ | 3 | _ | _ | _ | _ |
| Dylon dyes | | 3 | 2 | _ | _ | _ | - |
| Formula 21 | _ | 2 | _ | _ | _ | _ | — |
| Fynnon salts | 3 | 2 | 2 | 2 | 5 | 2 | 2 |
| Gibbs' S.R. tooth-paste | 3 | 3 | 3 | 3 | 4 | 3 | 3 |
| Gillette razors and blades | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Harlene hair tonic | _ | 5 | _ | _ | | | _ |
| Hiltone | 3 | _ | _ | _ | _ | 3 | _ |
| Ibcol | 2 | 2 | 2 | _ | 1 | 1 | _ |
| Immac | 1 | 1 3 | \equiv | 2 | | 2 | 2 |
| Isovac | _ | 1 | 1 | _ | _ | _ | _ |
| Johnson's baby shampoo | _ | 3 | _ | _ | | | _ |
| Knight's Castile | 7 | 7 | 7 | 8 | 7 | 7 | 7 |
| Lanospray | _ | _ | _ | 1 | 1 | _ | _ |
| Lucozade | 7 | | 4 | 1 2 | 2 | _ | 3 |
| Max Factor preparations | 2 | 2 | 1 | 2 | 2 | 2 | 2 |
| Milk of Magnes'a tablets | 5 | 2_ | _ | 5 | 4 | 6 | 2 |
| Milk of Magnesia | | 1 | 2 | _ | <u> </u> | _ | - |
| Milpar | | 1 | _ | _ | _ | _ | _ |
| Mix-a-Shake | 8 | 5 | 2 | _ | _ | 4 | 4 |
| Pantene | <u>.</u> . | | _ | _ | _ | 9 | |
| Philips tooth-paste | _ | _ | _ | 1 | _ | _ | - |
| Phyllosan | 1 | - | _ | | _ | _ | _ |
| PLJ | _ | _ | 2 | _ | _ | _ | _ |
| Polly roll Ramer sponges | 1 | _2 | _1 | 1 2 | 1 | 1 | 1 |
| Remington Rollectric | 3 | 4 | 3 | 2 | 2 | 2 | 4 |
| Rennies | 1 | 1 | 1 | 2 | 1 | 2 | 2 |
| Rinstead pastilles | 1 | _ | - | _ | 1 | 2 | — |
| Robinade | 2 | 3 | - | | _ | _ | _ |
| Robinson's lemon barley water | 4 | 4 | . 3 | _ | 1 | 3 | 2 |
| Sanmex | _ | _ | _ | 2 | _ | _ | 2 |
| Setlers | 4 | 3 | 3 | _ | 3 | 7 | 3 |
| Stratton sunglasses | 1 | 1 | 1 | _ | - | - | - |
| Sun Orange Quosh | 2 | 2 | 1 | 2 | 3 | 2 | 2 |
| Suregrip house gloves Tangee lipstick | 1 | 1 | 4 | 1 | 1 | 1 | 1 |
| Tangee lipstick | 1 | 2 | 1 | 1 | 1 | 1 | 1 |
| Tru-gel | | 3 | 3 | 2 | 2 | 2 | 2 |
| Vitapointe | 3 2 3 | 2 | | _ | _ | — | _ |
| Vosene | 3 | 4 | 4 | 5 | 6 | 2 | 4 |
| Yeast-Vite Zal | 2 | 2 | 2 | 2 | 2 | 2 | _ |
| Zal | 3 | 3 | 4 | 3 | 3 | | |

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," April 22

For non-medicated toilet preparations for the skin

ATKINSONS SKINTOP, 782,227, ATKINSONS SKIN VEIL, 782,229, by J. & E. Atkinson, Ltd., London, W.1.

For all goods (3)

Device with letters S.C.W.S., B782,987, by Scottish Co-operative Wholesale Society, Ltd., Glasgow, C.5. CREMAGIL, 783,525, by Antonio Bomba, Seville, Spain. For preparations for the hair (3)

BONAKAY, 784,890, by Hans Schwarzkopf, Hamburg-Altona, Germany,

For pharmaceutical preparations (5) SPONTIN, 777,250, by Abbott Laboratories, Chicago, U.S.A. HAR1BO, 779,833, by Haribo Lakritzen-Hans Riegel, Bonn-on-Rhine, Germany.

For non-medicated face cream (3)

MULTACREME, 779,166, by François Peyron, Paris, France.

For preparations and substances for laundry use,

cleaning preparations and dentifrices (3) AGNOL, 779,945, by Aspro-Nicholas, Ltd., Slough, Bucks.

For perfume to be used in perfume-burning apparatus (3)

DEODORAIR, B779,161; ODIFLEUR, 779,167, by Antoine Francois Regis Peyron, Paris,

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Monday, May 11

ENFIELD CHEMISTS' ASSOCIATION, Enfield Arms, at 7.30 p.m. Annual meeting,

INDUSTRIAL MANAGEMENT EUROPEAN CONFERENCE, Stresa, Italy, "Industrial Prospects in Nuclear Energy.

INTERNATIONAL PHOTO FAIR, Olympia, London, W.14 (until May 16),

SELF-SERVICE AND SHOP EQUIPMENT EXHIBITION, Olympia, London, W.14 (until May 15),

Tuesday, May 12

EAST KENT BRANCH, PHARMACEUTICAL SOCIETY, Falstaff hotel, Canterbury, at 8 p.m. Annual meeting.

NORTH LONDON ASSOCIATION AND BRANCH, Beale's restaurant, Holloway Road, London, N.7, at 8 p.m. Annual meeting, followed by members' colour slides.

PHARMACEUTICAL SOCIETY, 17 Bloomsbury Square, London, W.C.2, at 7.30 p.m. Mr. N. G. Van Abbé (Genatosan, Ltd.), on "Pharmaceutical Aspects of Dermatological Treatment."

SOUTH-EAST LONDON ASSOCIATION AND BRANCH, New Cross inn, 323 New Cross Road, London, S.E.14, at 7,45 p.m. Annual meeting and Dr. D. J. Gibson on film "Historical Pharmaceutical Equipment,"

Wednesday, May 13

FOOD GROUP, SOCIETY OF CHEMICAL INDUSTRY, 14 Belgrave Square, S.W.1, at 6.15 p.m. Young

members' meeting.

LONDON CHEMISTS' GOLFING SOCIETY, South Herts Golf Club (Hillside 0117), Visitors' day,
Manchester Pharmaceutical Golfing Society,

Appleton Golf Club, Warrington, Competition

for Ucal trophy and prize,
SOUTH 1 ONDON AND SURREY PHARMACISTS' GOLF-ING SOCIETY, Woodcote Park Golf Club, Coulsdon, at 1.30 p.m. Stableford competition for Widocks memorial trophy and Bobby Locke ball trophy.

University of London, Post-graduate Medical School of London, Ducane Road, W.12, at 2 p.m. Dr. E. F. Gale on "Disorganisation of

the Bacterial Cell by Antibiotics."
WESTERN (LONDON) PHARMACISTS ASSOCIATION. 21 Portman Square, London, W.1, at 7.30 p.m. Annual meeting.

Thursday, May 14

BEDFORDSHIRE BRANCH, PHARMACEUTICAL SOCIETY, Luton and Dunstable hospital, at 7,45 p.m. Films evening.

CHESTERFIELD BRANCH, PHARMACEUTICAL SOCIETY.

Royal hospital, at 8 p.m. Annual meeting. HARROGATE BRANCH, PHARMACEUTICAL SOCIETY, Blue Bird cafe, Parliament Street, at 8 p.m. Should the Branch continue to function when there is so much apathy? "

LEEDS BRANCH, PHARMACEUTICAE SOCIETY, Metropole hotel, at 7,45 p.m. Annual meeting. LIVERPOOL CHEMISIS ASSOCIATION AND BRANCH.

PHARMACEUTICAL SOCIETY, Adelphi hotel, at 7.30 p.m. Annua! meeting.

THAMES VALLEY PHARMACISTS' ASSOCIATION AND Branch, Kingston hotel, Kingston-upon-Thames, at 7.45 p.m Max Factor make-up demonstration, Annual meeting,

University of London, Post-graduate Medical School of London, Ducane Road, W.12, at 4 p.m. Dr. J. D. N. Nabarro on "Chemotherapy of the Reticulosis,

Friday, May 15

FINE CHEMICALS GROUP, SOCIETY OF CHEMICAL INDUSTRY, 14 Belgrave Square, London, S.W.1, at 7 p.m. Annual meeting, Dr. H. T. Open-shaw (Wellcome Research Laboratories) on "Chemistry of Emetine and Related Alka-

C. & D. WEEKLY LIST OF PRICES

A = Advanced; R = Reduced; I.R.P. = Inclusive Retail Price; † = Tax 15 per cent.; *= Tax 30 per cent.; 1 = Tax 60 per cent.

| | +- | 2 44 | . 00 | per cent, | | |
|---------------------------------|------|------|------|--------------------------------|-------|------|
| DAE HEALTH LABORATORIES, LT | D. | (pt | ır- | 500 98 0 | 171 | 6 |
| chase-tax exemption from May 1) | | - | | Ebimar-al tablets* 50 13 0 | 2.2 | 9 |
| Valderma antiseptic balm Doz. | 1.R | P. | | 250 60 0 | 105 | 0 |
| tubes medium 19 0 | 2 | | | Ergo-Rondase dual pack 25 60 0 | 90 | Ö |
| large 29 6 | 3 | | | Marevan tablets 5 mgm, 25 12 0 | 18 | |
| | 2 | | | Marcyan taolets 5 mgm, 25 12 0 | 10 | v |
| | 4 | | | INSULEX, LTD. | | |
| | | | | | | 6 |
| 4 oz. 49 0 | 5 1 | 10 | K | Chill-Jak | 2 | 0 |
| EVANS MEDICAL SUPPLIES, LTD. | | | | PHILIPS ELECTRICAL, LTD. | | |
| Bitevan 1.000 microgm, per Each | | | | Jet shaver* (battery model) | 152 | 9 |
| mil ampoules 1 mil 3 6 0 | 8 | 0 | R | Philips electric blankets*:- | | |
| bottle 10 mils 16 0 | 24 | | | model EA 1220 | 152 | 9 |
| | | | | model EA 1210 | 104 | |
| MEDO-CHEMICALS, LTD. (purchase | -tax | е | X- | model EA 1210 . | 104 | 3 |
| emption from April 27) | | | | DESIGNAL INTERPRETATIONAL COR | ann A | LION |
| Tonivitan A and D syrup | _ | _ | | REVLON INTERNATIONAL COR | PURA | 1103 |
| 4 oz. | 2 | 3 | R | "Colors Unlimited" lip- | _ | , |
| B syrup 4 oz. | 2 | 3 | R | stick* | 7 | 6 |
| | | | | refill | 5 | 3 |
| NEW PRODUCTS AND PAGE | CK | C | | | | |
| | CIK | | | HELENA RUBINSTEIN, LTD. | | |
| BURROUGHS WELLCOME & CO. | | | | Rubinstein deodorant stick: | 7 | 6 |
| Voloid injection ampoules | | | | moisturising silk face | ′ | |
| 5 | 6 | 0 | | powder‡ large | 20 | 0 |
| Franocide injection (veterin- | | | | | 16 | 9 |
| ary) 400 mils | 25 | 0 | | refill‡ | 10 | , |
| 4-0/ | | | | Skin Life (Turgosmon) | • • | _ |
| CIBA LABORATORIES, LTD. | | | | deep cleanser‡ 10 oz. | 29 | 6 |
| Serpasil-Esidrex tablets* 25 | 9 | 4 | | Skin Life (Turgosmon) | | |
| | | 8 | | honey tonic: | 32 | 6 |
| | | 2 | | | | |
| 500 1 | 133 | 4 | | E. R. SQUIBB & SONS, LTD. | | |
| COUNTY LABORATORIES, L1D. | | | | Rautrax tablets* 25 9 10 | | 2 ½ |
| | | | | 100 37 4 | 65 | 4 |
| Silvikrin liquid shampoo* | | 0 | | 500 169 4 | 296 | 4 |
| "wasp-waist" bottle | | 8 | | | | |
| | 3 | 3 | | WARD CASSON, LTD. | | |
| | | | | | 28 | 14 |
| CROOKES LABORATORIES, LTD, | | | | | 69 | 1 |
| Lacto-calamine lotion* 2 oz. | 2 | 5 | | 250 | | |
| Lacto-calamine forton, 7 02. | - | 9 | | 1,000 | 276 | 3 |
| | | | | Hydril-50 tablets* 100 | 50 | 9 |
| EVANS MEDICAL SUPPLIES, LTD. | | | | 250 | 124 | 2 |
| Ebimar tablets* 100 21 0 | 36 | 9 | | 1,000 | 496 | 8. |
| | | | | | | |

POST - BUDGET PRICES

FIFTH LIST (the first was published in the C. & D., April 11, p. 414; the second and third as supplements on April 18 and 25; the fourth in the C. & D., May 2. p. 477).

IN general products are listed below under their own proprietary names rather than that of the manufacturer, unless they are more familiar under the name of the maker. As that is to some extent a matter of opinion, it is advisable to try both ways before concluding that any particular item is not listed. §Denotes that where notified the previous retail price is unchanged.

| notified the previous price is unchanged. | re | tai |
|---|--------------|----------|
| A-Gra | _ | _ |
| A.P.P. stomach powder Ambassador after-shave | 5 | 7 |
| lotion pre-shave lotion | 21 21 | 0 |
| Cologne for men hair oil tale for men deodorant and anti-per- | 31 | 6 |
| tale for men deodorant and anti-per- | 12 | 6 |
| spirant shave bowl | 11 14 | 6 |
| soap (box of 3) super shave | 24 12 | 0 6 |
| bath cubes 6 24 | 8 31 | 0 |
| lather shaving cream brushless shaving cream | 4 | 6 |
| Antiphlogistine | 2 4 | 5 4 |
| Arcaneil V mascara 444 | 5 10 | 10 9 |
| 444R 335 | 6 | 5 7 |
| 335R 225 | 3 | 1 |
| pencil 111 | 3 | 7 |
| Seve eyelash-grower eye-shadow | 6 | 8 |
| Arthroids balm Astingol liquid | 3 | 8 ½ 6 |
| cream Ayrtolax 25 | 1 2 | 9 |
| 100 | 5 | 3 |
| Bemaeo tablets 25 | 6 | 9 |
| Bikini eream (new formula) | 2 2 | 6 |
| Summertan spray | 4 | 9 |
| С | | |
| Carbamaxa activated char- coal powder | 5 | 5 |
| tablets 75 Chloresium ointment 1 oz. | 5 3 4 | 0 7 |
| solution 4 oz. 2oz. | 13 | 9 |
| Clersanges parfums 5021 | 13 | 0 |
| Comb-a-curl Congreve's elixir | | 9 |
| Congrete a Chan | 4 7 15 | 6 |
| Convenil dragees 20 250 | 33 | 1 5 |
| Corday perfumes ½ oz. | 24 48 | 0 |
| ½ oz. Iuse ½ oz. 1 oz. | 60 76 | 0 |
| luxe 1oz. | | 0 |
| Cremosan ointment Creo Terpin 4 oz. | 1 4 | 9 |
| Curicones 8 oz. | 8 | 0 4 |
| · | 13 25 | 4 |
| D | | Ü |
| Dispello catarrh snuff | 1 | 6 |
| Dormupax tablets 12 250 | 5 70 | 3 0 |
| E | | |
| Eulagen pills 50 Fecoprin analgesie tablets | 3 | 6 |
| 20 | 2 | 0 |
| F | | |
| Fixoden denture adhesive | 1 2 | 8 9 |
| | | |

G

G.B. F. 2 21 Glamadent tooth cosmetic 7 6 Gravomit tablets 70 5 10

| | _ | | _ |
|--|----------------------------|------------------------|-------------------|
| Gra-Lei | | | |
| Guitare lipstiek | 140 602 602R 400 | 9 12 6 3 | 8½ 6 2 9 |
| dry rouge cream rouge | 200 | 3 3 3 | 1 9 9 |
| Haematogen Halaurant | 4 oz. 8 oz. | 8 2 4 | 3 9 |
| · | erms | 2 4 5 | 3 0 6 |
| Highlight cream sl | | 5 19 | 10½ 7½ 9 |
| R. F. HUNTER cameras Rolleiflex 12.8 I | ream E Planar | | 10 |
| with exposure FICAP f2·8 E Xenotar | meter 2 | 759 | 9 |
| posure meter f3·5 F Planar exposure met | F1CEX 2 coupled | 608 | 1 |
| RUGIP f3·5 F Xenotar exposure meter | coupled | 389 | 0 |
| RUGAX f3·5 " I " Tes ROBET | sar 1 | 208 517 | 9 |
| f3·5 "T" with sure meter R1 Rolleicord VA C Frankamatic SLK | n expo- BAT 1 OXEN 1 | 775 137 | 9 |
| Frankamatic SLK Super Frankarett | e LR 11 R 11 | 738 785 636 | 10 6 |
| Frankarette 1 f2 | LR I 8 Ennit | 573 735 376 | 9 10 4 |
| model | ngefinder | 311 476 391 | 0 11 0 |
| I f4·5 Pronto I f5·6 Vario Junior | | 223 173 152 | 6 3 |
| Record | ngefinder | 97 226 | 1 3 |
| standard model —flashguns Kobold B.C. with | | 188 | 8 |
| bracket with accessory B.C. with came | shoe era | 129 122 | 1 |
| bracket and extended bracket and extended bracket bracket and bracket bracket bracket bracket and extended bracket | | 134 | 0 |
| | | 126 8 67 | 8 9 4½ |
| 1 | | 218 | 9 |
| Iglodine antiseptic | | 1 2 | 5 |
| (jar 4/6 extra) | 40 oz. | 4 9 13 23 | 3 0 2 |
| (jar 9/6 extra) (jar 18/- extra) embrocation eye lotion | l gall, 5 gall, | 102 | 3 0 0 6 |
| ointment | | 1 | 9 9 |
| salieylated Influban inhalant | | 4 7 12 3 1 | 0 0 6 |
| Iodo Caffedrin | 4 oz. 8 oz. | 5 | 0 |
| Juvanail | ½ oz. | 3 | 0 |
| Kaomix tablets | 100 | 2 | 8 |
| Kay's linseed compe | ound | 3 | 81 91 |
| L | | | |
| LEICHNER greasepaints: standard, all shagold and silver | des | 1 2 | 7 8 |
| giant, all shades | | 3 | 4 |

| Lei-Nev | | |
|--|---|--|
| | | |
| carmine liners | 1 7 | |
| short pointed liners short blunt liners | 1 11 | |
| -astringent lotion (No. 6) | 70) 4 8 | |
| —anti-aene faeial pack eream | 1 0 2 5 | |
| lotion | 2 5 | |
| —blending powder standar | d 4 0 | |
| -complexion brushes | ge 5 4 7 11 | |
| -eyebrow brushes | 1 6 | |
| —fine sable brushes | 3 5 1 9 | |
| —short make-up brush —sable brush (plastic eas —clown white | se) 7 4 | |
| -clown white | 4 0 | |
| —casualty putty —creme Email | 3 6 4 0 | |
| -earmine for lips & cheek | ćs. | |
| (No. 52) —day eream for greas | 4 0 | |
| skins | 4 8 | |
| -crcam cyeshadow | 4 0 | |
| gold and silver —eau de lys | 4 8 | |
| gold and silver | 11 0 | |
| —cye cosmetic black | 4 8 2 8 | |
| eyebrow pencils | 4 0 | |
| refill | s 2 0 | |
| false eyelashes fluoreseent (U.V.) make | 10 6 | |
| up | 12 0 | |
| | 6 8 | |
| —heating cosmetic gold and silver | 3 0 4 8 | |
| —hair powder | 4 0 | |
| -hormone cream | 32 0 20 0 | |
| —island tan | 4 8 7 8 | |
| -Kamera Klear base | 7 8 | |
| | 4 10 2 1 | |
| stage make-up tubes | 4 8 | |
| —lipstieks | s 6 8 0 | |
| —lip peneils | 4 0 | |
| refili: | | |
| —liquid cream mascara | 6 4 2 1 | |
| -nosc putty | 1 6 | |
| —ncgro black —nose cream | 2 8 4 0 | |
| —velour puffs | 2 8 | |
| 3 in | . 1 8 5 10 | |
| —patti cream —poudre de luxe standare | 1 4 8 | |
| handbaş | g 28 | |
| removing cream | 1 1 9 | |
| | 6 0 | |
| large tin —cream rouge | 4 0 | |
| —compact rouge —Spot-Lite Klear stage | | |
| make-un | 4 8 | |
| gold and silver | 11 0 3 6 | |
| spirit gum, mastic substitute | 1 6 | |
| -Spot-Lite pencils, wood | | |
| smali paper | | |
| —Spot-Lite finishing powd | ler 4 8 | |
| —Tan Klear | e 5 8 6 0 | |
| small | 1 3 4 | |
| | 3 0 | |
| tinscl powder tooth enamel, black tooth enamel, white, ivor tonic foundation cream | 6 0 3 4 3 0 2 3 ry 3 0 7 8 1 2 1 1 9 2 6 1 3 5 2 3 1 | |
| tonic foundation cream | 7 8 | |
| trial | 1 2 1 | |
| Lieoricine | 1 9 2 6 | |
| lozenges | 1 3 | |
| Lip-eote | 5 2 | |
| | <i>J</i> , | |
| M | | |
| Magaspirin 20s | | |
| Majie Metad 4 oz. | 5 3 7 | |
| 8 oz. | . 40 | |
| Metamueii 4 oz. | . 89 | |
| . 16 oz. | . 23 4 | |
| N | | |
| Naze drops | 2 6 | |
| Nevershine | 3 0 | |
| NEVILLE BROWN —eameras | | |
| Paxette 1/L | 406 10 | |
| reflex automatic | 1642 1 | |
| reflex IB super Paxette 1/P | 1119 2 483 10 | |
| 2L/K | 652 2 | |

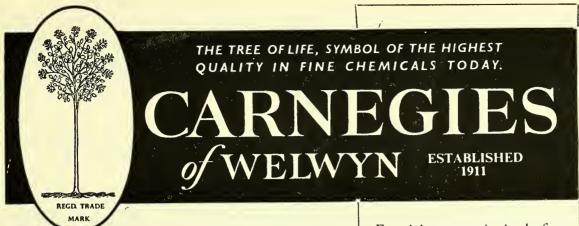
| 2L/X | Nev-Pay | |
|--|---|--|
| Part | 2L/T 2L body only 2BL/C 2BL/X 2BL/T 2BL body only automatic Elioflex Eura 66 Ibis 66 Ibis 34 Ibis 44 Bauer 88C Bauer 88B Bauer 88B | 1007 11 478 0 961 1 1118 0 1264 6 734 6 1535 7 209 1 48 2 82 4 87 2 94 10 678 7 1254 5 |
| Lite visual 7 | Braun universal Fleet Polyfocus universa! Steinheil universa! Hawk | 24 11 232 0 263 5 |
| P.K.L. 3 oz. 2 6 DR. N. G. PAYOT | Lite visual Nebro visual Bewi amateur automat B Electro-Bewi Nosmo anti smoke tablets Nyxolan syrup dragees 60 | 18 0 111 11 204 4 145 11 3 10 5 10! 8 3 |
| DR. N. G. PAYOT —lotions No. 1 | • | |
| Company Comp | DR, N, G, PAYOT —lotions No. 1 —tonic No. 1 | 11 0 17 7 19 0 29 10 49 8 |
| tonie | —lotion No. 2 dry skin astringent | 19 3 |
| -Creme a Demaquiller 35 9 9 11 0 17 7 7 11 0 17 7 7 17 7 16 0 16 7 17 7 7 18 18 3 18 18 18 18 18 18 18 18 18 18 18 18 18 | tonic Hydro-Amniotique tonic No. 5 blackheads No. 6 greasy skin astringent bleue blaneh specialc —Golden Rays original B stimulation tubes —Cologne dorec toilet | 11 0 17 7 29 10 38 0 11 0 12 7 19 0 11 7 17 7 14 0 11 0 28 2 49 8 11 0 16 0 28 2 8 0 96 0 96 0 96 0 |
| | —Creme a Demaquiller No. 1 No. 2 nutricia blanche stimulation tube | 35 9 11 0 17 7 11 0 17 7 10 0 16 7 11 0 17 7 29 10 18 3 28 10 47 0 14 0 16 0 24 10 20 0 |

CORRECTIONS TO PREVIOUS LISTS

The following corrections should be transferred to the lists previously published.

Ulter stomach tablets 2 3 6 11 16 6

| Pay-Pul | Ful_Rev | Rev-Yar | Yar-Zei |
|---|---|---|---|
| ultra penetrant 28 2 39 9 | Arette S Westonar lens 786 9 | Revolution 5 6 | -Feather foundation 5 2 |
| 63 0 plastie jar 44 9 | Xenar 874 7 —ever ready cases 436 55 10 | S | -foundation eream 5 2 -moisture make-up 6 10 -Clearskin 5 4 |
| regenoderm 19 0 31 4 | 437 48 3 439 69 10 | SD2 liquid skin treatment 1 9 3 6 - | -eomplexion powder 5 4 -Fcather finish compact 7 8 |
| pate grise 11 0 Annioderm 56 0 | 440 55 10 441 3I 11 | skin eream 3 6 | refill 4 8 —lipstick 6 8 |
| gelee camphree 20 0 No. 6 9 0 14 0 | -8 mm. cameras Exposomat | Sanalve 18 8 2 7½ | eream rouge refill 4 0 |
| No. 3 tube 9 0 9 0 | Exmag 1282 0 Expos 1205 0 | Sedin $5 	ext{ } 10\frac{1}{2}$ Solvalac $1 	ext{ oz.}$ $2 	ext{ } 2$ | eye shadow 4 2 maseara 7 4 |
| d'amandes 15 0 | Exhel 1665 10 Exposomat 'T' 1162 6 Exber (case) 125 0 | Stanaeen tablets 4 0 Stemat nasal balm 3 2 | -hand eream refill 4 0 4 0 4 0 dispenser 8 10 |
| framboise 15 0 nutrieia teintee ordinary 9 0 | -8 mm. cameras Heliomatic Helio 3024 6 | Suprina aspirin tablets 1 6 Swipoul size 1 5 10 2 11 0 | -soap |
| tube 9 0 | Heron 2502 7 Exbox (case) 215 5 | 3 19 3 4 31 6 | Lavender toilet 2 3 bath 4 3 |
| nutricia noturrissante teintee 16 7 | Oplan 3196 0 Nedar 3502 4 | 5 56 0 6 92 0 | April Violets toilet 2 3 Red Roses toilet 2 3 |
| 26 6 tube 16 0 satin tube 9 0 | 0 | 7 170 0 8 310 0 | Freesia toilet 2 3 |
| anti solaire 14 0 | Quickstep home perm 4 0 | Т | oatmeal complexion -Lavender bath oil -Flair bath oil 10 4 11 8 |
| maseara plastic 11 0 cardboard 6 4 | R | Tabasan 12 I 6 50 3 2 | —bath salts, lavender, Red Roses, April Violets 9 6 |
| refill 7 0 eyebrow peneil 2 8 | Rainette hair lacquer sprays large 3 I1 | Taka Diastase and pepsin | -assorted bath salts tablets 4 6 -Lavender bath salts tablets 4 6 |
| eyebrow contour pencil 21 10 refull 6 8 7 8 | refills standard 2 7 large 2 3 | compound tablets 3 9½ 12 0 | der and April Violets 11 2 |
| eream rouge 7 8 —lipstick Germinal refill 7 3 | coloured standard 1 7 3 6 | Fankem ehest and lung syrup 1 6 | Bond Street -talcum powder, Red Roses, Lavender, Freesia, |
| gold metal easc complete I6 0 empty 9 0 | refills 2 11 REVLON | Tcencreem 2 10 Tinoxid 50 1 9 | April Violets Lavender, April Violets 7 2 |
| de luxe gold metal ease complete 20 0 | —lipstieks lanolite 7 6 refill 3 9 | Tinoxid 50 1 9 Top-form 3 0 Tussettes bronchial pastilles 1 0 | Bond Street 6 6 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 |
| —contour lip pencil 21 10 | lustrous high-gloss Futurama refill 1 5 3 | | jar 4 2 spirit 4 8 |
| refill 6 8 —face powders ultra-fine powder 12 7 | Futurama refill 5 3 —nail enamels | Velvet egg shampoo 9 | —Lavender oil, Freesia oil, Violet oil 3 8 |
| powder compressed 14 0 | regular 5 0 frosted 6 11 | Vicaps 3 2 Visor tablets 20 2 9 | -hair eream 4 2 -men's cologne 12 4 -invisible tale 4 10 |
| refill 6 8 refill 6 8 | frosted gold 8 6 —Futurama de luxe lipstiek eases | Vitamise after-shave lotion 24 0 hair tonic 19 6 | —shower tale 5 8 —pre-shaving lotion 6 8 |
| —maskoderm 11 0 | brush-finish, gilt 4 6 silver plated 11 0 | Vocalzone pastilles 1 9 | -after shaving lotion 5 2 9 8 |
| masque de jeunesse 9 0 35 0 masque irradie 11 0 | black basket weave hour glass 21 0 brushed silver plated hour | W | -shaving bowl 6 0 8 9 |
| masque rose 14 0 regenoserum 39 9 | glass 14 0 diamond link gilt hour | Whip hair cream 4 0 Windak electric blanket single 269 3 | -shaving stick, plastic refill 2 6 -shaving cream 3 10 2 6 3 3 |
| —soap 3 tablets 10 6 Perilets herbal laxative 3 3 | glass | double 324 4 twin 387 6 | -shaving eream 3 3 3 brushless 3 3 |
| Permatone 7 3 | -cuticle oil 6 0 remover 6 0 -frosted prolife 6 11 | Υ | Z |
| Phoeil 4 oz. 3 11 8 oz. 6 10 PHOTAX | -frosted prolife 6 11 -nail builder set 11 0 eream 6 0 | YARDLEY—perfume | ZEISS IKON —cameras Signal Nettar 6 x 6 |
| —cameras Neoea IV S 476 7 | fix 6 11 —seal fast 5 0 | Flair 14 10 28 10 | with Novar f4.5 Vario with Novar f4.5 Pronto 255 0 |
| Honor f3·5 1278 9 f1·9 1790 3 | —solvent 3 6 —supersealer 6 1I | Bond Street 69 2 13 2 | with Novar f4·5 Prontor-SVS 299 5 |
| Rollop I 628 4 automatic with split | -velvety non-smear remover 3 6 -non-smudge remover 5 0 | 25 0 38 0 | Nettax 6 x 6 (2 ¹ / ₄ x 2 ¹ / ₄ in) with Novar f4·5 Pronto 324 4 |
| image rangefinder 1144 6 —enlargers Paragon universal 24I 2 | -superbase 6 I1 -medicated Silicare 7 6 -Aquamarine lotion 8 0 | Frcesia 66 8 10 10 10 | Super Ikonta IV 6 x 6 (2½ x 2½ in.) with Tessar 13·5 894 0 1koflex I c 6 x 6 (2½ x 2½ in.) |
| Popular 35 mm, with glassless carrier 228 5 | plastic bottle 11 0 deodorant 8 0 | Orchis 18 8 31 8 12 6 | built-in exposure meter with Novar f3.5 |
| with glass earrier 215 8 Wimborne 35 mm. 316 2 | tale 6 6 6 soap 7 9 | 21 8 36 8 | Prontor-SVS 702 9 with Tessar f3·5 |
| with anti-Newton ring condenser 330 9 | dusting powder 13 6 —Hi and Dri roll-on deo- | April Violets 10 10 10 18 8 | Prontor-SVS 818 2 Ikoflex favorit 6 x 6 |
| —exposure meters Sixon 113 4 | dorant 7 3 —Let's Pretend bubble bath 6 6 —Satin Set 10 9 | —Lavender 31 8 5 8 | with Tessar f3·5 1135 10 —miniature cameras |
| Sixtry 132 6 Sixtomat x 3 175 0 Sixti 175 0 | —Satin Set 10 9 —Touch and Glow 7 6 12 3 | 6 4 9 2 12 8 | Ikonette 24 x 36 (1 x I½ in.) with Novar f/3·5, 45 mm. 288 4 |
| Sixticolor 263 4 Sixtus II 136 4 | —Love Pat de luxe compact 9 6 plastic pack 5 6 | 19 2 35 I0 | Contina I 24 x 36 (1 x 1½ in.) with Noviear f2·8 |
| Sixtus einé 136 4 Sixtus Leica 136 4 | refill 4 6 pressed powder dc luxe | crystallised 40 0 6 8 | 45 mm. 395 10 Contina IA 24 x 36 mm. |
| Kelvilux 410 0 Trilux 550 0 | eompact 10 3 refill 6 0 | Flair Cologne 8 4 crystallised 6 8 | with Pantar f2·8 45 mm, 461 0 Continamatic II 24 x 36 mm, |
| Addex 5 2 Plex 20 11 —Autoknip model 1 23 6 | -faee powder 6 3 -Seeond Nature 24 6 -Cheekstiek 8 6 | —Bond Street Cologne 8 4 13 4 22 6 | with Pantar f2:8 45 mm, 738 10 Continumatic III 24 x 36 mm, |
| model II 33 2 model III 36 8 | —Clean and Clear 9 9 —Intimate tale 10 6 | erystallised 6 8 Freesia Cologne 8 4 | with Pantar f2·8 45 mm, 828 1I Contaflex alpha 24 x 36 (1 x 1½ in.) with Pantar f2·8 |
| model IV 36 8 model V 4I 7 | soap 10 6 — Dreamy Eye eye peneil 4 6 | crystallised 6 8 —Lotus Cologne 8 4 | 45 mm, 1167 9 Contaflex prima 24 x 36 (1 x 1½ in.) |
| Pilease pile ointment 2 6 Plexolax tablets 40 3 2 | eake maseara 6 6 6 refill 4 0 | —April Violets Cologne 8 4 | with Pantar f2·8 45 mm. 1405 6 |
| Plesox tablets 50 3 2 100 5 10 200 9 8½ | eyeshadow 8 6 roll-on mascara 13 0 | erystallised 6 8 — liquefy, eleansing cream 5 0 | Contaflex rapid 24 x 36 (1 x 1½ in.) with Tessar f2·8 50 mm. 1531 8 |
| PULLIN OPTICAL CO. —35 mm. eameras | propelling eyebrow peneil 12 0 refill 4 6 | -liquefy, eleansing cream 5 0 8 0 -dry skin cleansing eream 5 0 | 50 mm, 1531 8 Contaflex super 24 x 36 (1 x 1½ in.) with Tessar f2.8 |
| Arette P 279 9 Arette 1A 360 5 | —White sable liquid cleansing cream —regular 14 0 | elcansing milk 5 4 | 50 mm. 1874 0 Contax IIa 24 x 36 (1 x 1½ in.) |
| with Xenar lens 479 7 Arette C Iseonar lens 617 4 | hormones 18 0 —Waking Beauty night | —skin freshener 5 4 —astringent lotion 5 4 | with Tessar f3·5 50 mm, focal plane |
| Xenar lens 726 0 Arette DN Iseonar lens 765 6 | treatment creme—regular 13 9 24 6 | Flex 8 6 —vitamin night eream 5 8 | shutter 1765 10 with Sonnar f2 |
| Xenar lens 877 9 Arette BW f/3·5 Xenar 649 10 f/2·8 Xenar 386 9 | hormones 28 9 —Moondrops moisture balm I oz. 13 0 | -captive beauty 8 10 6 2 11 2 | 50 mm, focal plane shutter 2290 2 with Sonnar f1.5 |
| f/2.0 Xenon 723 7 | 1 02, 13 0 | 11 2 | |
| body only 484 II | —beauty case 24 0 192 6 | —English complexion cream 5 0 8 0 | 50 mm, focal plane shutter 2494 9 |



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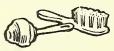
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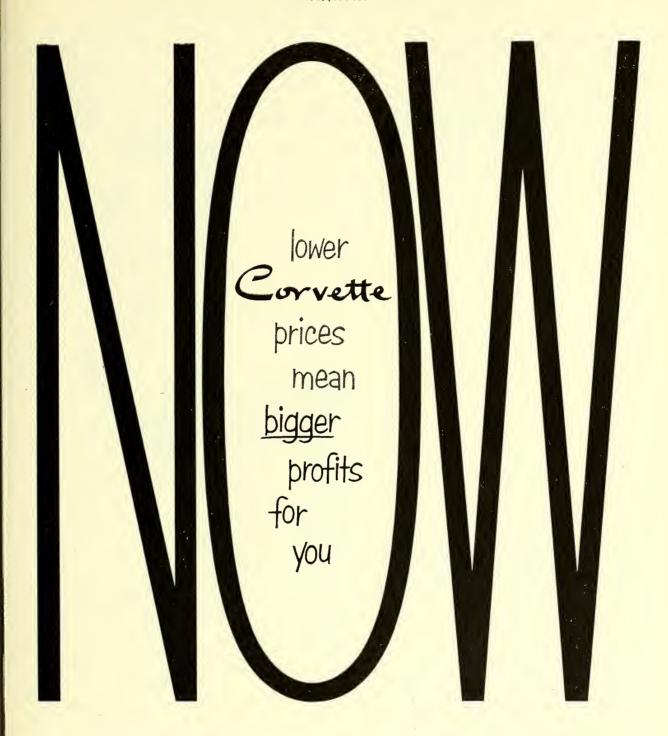
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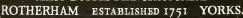
12-oz.-100 Aspirin or

50 Codeine.

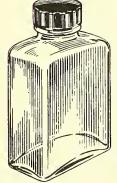
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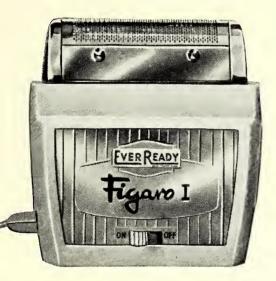
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the answer to



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BEDSORES can be prevented by applying THOVALINE before the trouble starts but if already in existence will help greatly in the healing.

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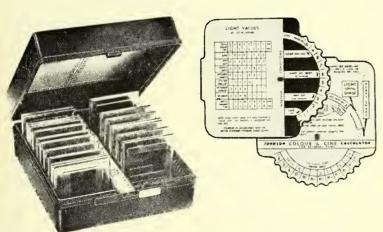
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colorthene 35 mm. SLIDE BOX—strongly moulded in maroon-coloured, shock-resistant polythene, with numbered slots (tapered for easy insertion and removal) for 60 mounted slides. Index card in lid. 9/6d.

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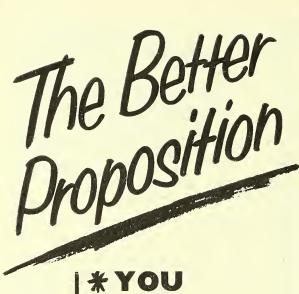


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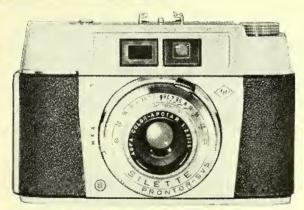
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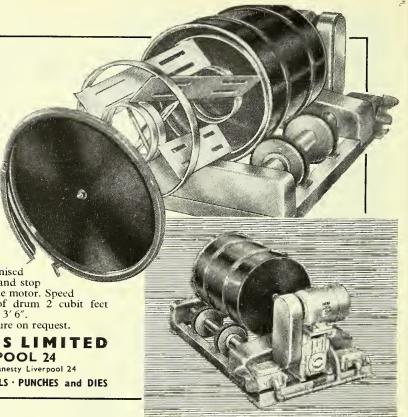
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Sufficient for two or three shampoos

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You know display sells goods! This advertising makes it well worth while putting Loxene Medicated Shampoo on show.

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and sales



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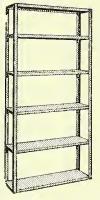
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Keep this strikingly attractive display box well in the public eye, but not in direct sunlight.

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NON-BARBITURIC
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safe sedation and sounder sleep

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25 mg. scored tablets in tube of 24 and bottles of 100, 500 and 1,000.

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Every single day, all over England,
hundreds of girls are
celebrating their thirteenth birthdays.
Round about this time they will be learning the
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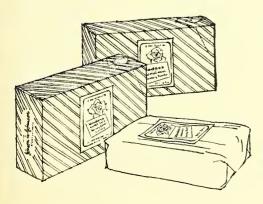
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Ointment (tube) retails @ 2s. 6d. Powder (puffer) retails @ 3s. less $33\frac{1}{3}$ per cent discount

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PRIDE 7^D NEW DOUBLE SHAMPOO SACHETS

BEER SHAMPOO

a special Blend for BRUNETTES which helps to attain that much sought after high gloss so necessary with either natural or tinted BLACK hairs.

CHAMPAGNE SHAMPOO

is specially packed for those who desire the invigorating effect of wine and spirit with a lovely FRENCH PERFUME.

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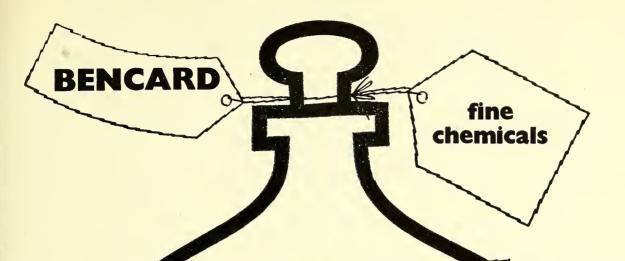
a hair health shampoo free of all harsh antiseptics. Based entirely on the Pure Natural Oils of the Pine and Ti-Trees is delightful to use and assures a clean healthy scalp.

These three shampoos are in double sachets giving sufficient for 2 complete shampoos. Smart and colourful pack.

Price 3/10 doz. plus 11½d. P.T. retail 7d. each.

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B. N. FURMAN (Productions) LTD.,



ALUMINIUM GLYCINATE ("D.A.A.")

of pharmaceutical purity

Aluminium glycinate finds increasing favour as a safe and reliable buffer antacid in gastroenterology.

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DORCHESTER

Busy market town, which will now include the new important Government Nuclear Industrial set-up

'Daily Telegraph," Friday, April 17th, states:

states:—
"The housing problem which might have been the biggest source of bitterness is being handled adroitly in most cases. The Dorchester area expects to have 5,000 atomic workers eventually at the Winfrith Heath establishment. The newcomers will then be integrated without flexing on the town's waiting list. out figuring on the town's waiting list

out figuring on the town's waiting list for council houses.

Most of the civic leaders involved admit freely that the developments on their doorstep, once an alarming prospect, are now a boon."

Fine shop to let amongst the following multiples:

Lennards Hepworths Freeman Hardy & Willis W. H. Smith & Son Lawleys

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Write, Chairman, Land Improvements, Ltd., 72/76 Old Christchurch Road, Bournemouth. C 2223

WEST SUSSEX: Prominent shopping position. Newly erected shopping centre with last remaining shop suitable for chemist. Large shop, stores, cloakroom and first-floor flat with good living accommodation available, 21-year lease. Apply: Summerley House & Estate Agency, Felpham, Rognor Recis. 6 2428 Bognor Regis.

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DRUG STORE. Large corner site N.W. London shopping parade, multiple area, Excellent for chemist, next door doctor. Lease for disposal and stock at valuation, Box C 9252.

APPOINTMENTS

CENTRAL GROUP HOSPITAL MANAGEMENT COMMITTEE
Locum Pharmacist

required for indefinite period. Salary up to £16 16s. per week, Apply to Chief Pharmacist, St. Leonard's Hospital, Nuttall Street, N.1.

BANSTEAD HOSPITAL,

BANSTEAD HOSPITAL,
SUTTON, SURREY

Male or Female Assistant-in-Dispensing
required. Salary: Age 16 to 21 years £175
rising to £320; age 22 years and over £395
rising to £510, plus £20 for London Apothecaries' Certificate or other approved qualification if aged 18 or more, plus London Weighting, age 16 to 20 years £10; 21 to 25 years
£20; 26 years and over £30 per annum. Salary
and conditions of service according to Whitley
Counci's for the Health Service, Hospital experience des rable but not essential. Apply
Physician Superintendent. C 2273 Physician Superintendent.

BRENTWOOD GROUP HOSPITAL MANAGEMENT COMMITTEE Pharmacists

There are vacancies for two Pharmacists to work within the Group under the direction of the Group Pharmacist.

The Hospitals are pleasantly situated and are served by fast electric trains from Liverpool

Street.
Salary scale £605—£815 per annum with Whitley Council conditions of service.
Applications, together with names of two refcrees, should be sent to the Group Pharmacist,
Harold Wood Hospital, Harold Wood, Essex.
C 9208

BROOKWOOD HOSPITAL, KNAPHILL, WOKING Assistant-in-Dispensing

Assistant-in-Dispensing
Applications are invited for the above post. The successful candidate will be required to work under the supervision of the Chief Pharmacist, who is responsible for the preparation and issue of drugs and dressings for about 1,750 patients.

Salary Scale £170 p.a., at age 16 years rising to £375 at age 22 years or over rising to a maximum of £490 p.a. (plus £20 p.a. for an approved qualification).

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Professional and Technical Council B of Whit-ley Council conditions apply to the appoint-ment which is subject to the provision of the National Health Service Superannuation Regulations.

The successful candidate will be required to

Pass a medical examination.

Accommodation available for female candidate for which a charge of £2 8s, per week will be made.

Applications giving particulars of age, experence and qualifications, together with names of two referees to the Physician Superintendent. as soon as possible.

CENTRAL GROUP H.M.C.

CENTRAL GROUP H.M.C. Locum Dispensing Assistants required for the following periods, June 18—July 25; August 17—September 12 for duties at three hospitals within the Group, Salary up to £10 pcr week, plus London Weighting, according to age and qualifications, Applications to Chief Pharmacist, Bethnal Green Hospital, Cambridge Heath Road London F.2 C 457 Cambridge Heath Road, London, E.2.

BOLINGBROKE HOSPITAL

WANDSWORTH COMMON, S.W.11
Locum Chief Pharmacist
July 13 to 25, 1959, inclusive. Apply Hospital Secretary.

BRENTWOOD GROUP HOSPITAL MANAGEMENT COMMITTEE

MANAGEMENT COMMITTEE
Deputy Chief Pharmacist (Category IV)
Applications are invited for the post of Deputy
Chief Pharmacist at Harold Wood Hospital,
the major General Hospital of the Group.
Salary scale £700—£945 per annum with Whitley Council conditions of service.
The Hospital is pleasantly situated and is
served by fast electric trains from Liverpool
Street, An unfurnished house can be provided
at moderate rential, if required.
Applications, together with names of two referees, should be sent to the Group Pharmacist,
Harold Wood Hospital, Harold Wood, Essex,
C 9210

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CAMBRIDGE HEATH ROAD,
LONDON, E.2
Locum Pharmacist
required for varying periods between May 18
and October 3 for duties in the modern pharmacies at three hospitals in the Group, Salary
up to 16 guineas per week, Applications to the
Chief Pharmacist. C 447

CROYDON GENERAL HOSPITAL (Category IV) Assistant-in-Dispensing

Assistant-in-Dispensing
Modern pharmaceutical department in busy
general hospital Duties include some clerical
work. Cafeteria on hospital premises. Whitley
Council salary scale and conditions of service.
Application Form obtainable from undersigned,
GEORGE A, PAINES, Group Secretary,
General Hospital, Croydon.

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Senior Pharmaeist and Pharmaeist
for Bethnal Green Hospital. Modern department approved for training students. Salary
scale, Senior Pharmaeist £675—£865 p.a, Pharmacist £605—£815 p.a., plus higher qualification allowance and London Weighting. Please
apply with details of age, training and expericnce to the Group Secretary, 213 Kingsland
Road, London, E.2.

GUILDFORD GROUP HOSPITAL MANAGEMENT COMMITTEE, ST. LUKE'S HOSPITAL, **GUILDFORD**

Locum Pharmacist
Dates available in July, August and September,
Salary £16 16s per week, Apply in writing to
Physician Superintendent, Room 11. C 9221

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Appointments—Continued

EASTERN HOSPITAL,

LONDON, E.9

Locum Pharmacist

14-16 guineas per week, according to experience. Write Secretary, Hackney Hospital, E.9, with full details.

C 448

GUY'S HOSPITAL, S.E.1
Locum Pharmacist
required mid-May to early October for holiday
relief. Salary £16 16s, per week.
Applications considered for whole or part of

period. Write, with full details of qualifications and experience to Chief Pharmacist, Guy's Hospital, S.E.1.

KING EDWARD VII HOSPITAL, WINDSOR

(Category III Hospital)
Pharmacist
required immediately, Whitley salary, Applications giving details of service to Secretary.

C 9228

LAMBETH HOSPITAL, BROOK DRIVE, S.E.11 Locum Pharmacist required. Salary by agreement, Telephone Chief Pharmacist, Reliance 3804.

MAYDAY HOSPITAL

(Category IV)

Pharmacist
Locum tenens for holiday relief duties, June/
September, £16 16s, weekly, Applications for part-time or temporary appointment considered.

Application form obtainable from undersigned.

GEORGE A, PAINES,

GEORGE A, CRIMES, Group Secretary.

General Hospital, Croydon.

LAMBETH HOSPITAL,

LAMBETH HOSPITAL,
BROOK DRIVE, S.E.11
(Acute General 501 Beds)
Pharmacist
required. Salary in accordance with Whitley
Council Scalc, plus London Weighting. Applications stating age, experience, qualifications
and names of two referees to the Secretary.
C. 442.

METROPOLITAN HOSPITAL, KINGSLAND ROAD, LONDON, E.8

Locum Pharmacist required to work in a modern department. Apply to Hospital Secretary, C 445

PUTNEY HOSPITAL,
LOWER COMMON, S.W.15
Locum Pharmacist
Immediately, Interesting and varied this General Hospital of 106 beds, Apply Hospital Secretary.

PINEWOOD HOSPITAL, NINE MILE RIDE, WOKINGHAM

Locum Chief Pharmacist
required for three weeks from August 17.
Salary £16 16s, per week. Residential accommodation available for single person. Applications to Secretary. C 461

ROYAL EYE HOSPITAL,

ST. GEORGE'S CIRCUS,
LONDON, S.E.1
Locum Assistant-in-Dispensing
required from August 10 to 22, 1959, Apply to
Secretary, Tel.: Waterloo 4477. C 459

ST. BARTHOLOMEW'S HOSPITAL,

LONDON, E.C.1
Senior Pharmacist
A vacancy exists from May 4 for the above post.
Salary according to experience. Write, giving the names of two referees, to Chief Pharmacist, C 9256

ST. JOHN'S HOSPITAL, S.W.11

Locum Pharmacist
From mid-May, 1959. Apply Hospital Secretary, naming two referees. C 9270

SELLY OAK HOSPITAL,

BIRMINGHAM, 29
Deputy Chief Pharmacist and Pharmacist required as soon as possible. Duties of Deputy include supervision of Department and sterile production. Salary scales—Deputy Chief Pharmacist £755—£1,030; Pharmacist £605—£815. State particulars, naming two referees, in application to Administrator. C 9240

ST. BARTHOLOMEW'S HOSPITAL LONDON, E.C.1

Pharmacist
A vacancy exists from May 4 for a basic-grade pharmac.st, Salary according to experience. Write, giving the names of two referees to Chief Pharmacist, C 9255

ST. LEONARD'S HOSPITAL, NUTTALL STREET, N.1 Pharmacist

Pharmacist

Applications are invited for the post of Pharmacist at this hospital, Salary and conditions in accordance with Whitley Council Scales, Applications, giving the names and addresses of two referees to be addressed to the Hospital Secretary.

C 455

ST. MARK'S HOSPITAL, CITY ROAD,

LONDON, E.C.1
Locum Pharmacist
required for several months commencing immediately. Salary £16 16s. per week. Applications to Secretary. C 9254

SELLY OAK HOSPITAL, BIRMINGHAM, 29 Locum Pharmacist

for a period of three months, June to August Experienced supporting staff, Salary £16 guineas per week. Apply to Administrator. C 9241

ST. THOMAS' HOSPITAL, LONDON, S.E.1

Locum Pharmacists
Two required from June 8 for approximately eighteen weeks. 16 gns, per week. Apply Personnel Officer.

THE GENERAL HOSPITAL, DEWSBURY Pharmacist

Pharmaetst
required immediately for modern department
in a Category III hospital. Post offers good
experience including small-scale manufacturing.
Accommodation for single person can be ar-

Accommodation for single person with a commodation for single person with a commodation giving age, experience and qualifications, together with the names and addresses of two referees to be sent, as soon as possible, to the Administrative Officer at the hospital.

C 9257

THE UNITED BIRMINGHAM HOSPITALS THE QUEEN ELIZABETH

THE QUEEN ELIZABETH HOSPITAL,
EDGBASTON, BIRMINGHAM, 15
Pharmacist
Applications are invited for the post of Pharmacist at the Queen Elizabeth Hospital, Duties mainly dispensing for in-patients, Salary scale at £605 x £30 (3) to £695 x £35 (1) to £730 x £30 (2) to £790 x £25 (1) x £815 per annum, but this is under review. Subject to Whitley Council conditions of service, Applications giving age, details of training and experience with mames of two referces to the Chief Pharmacist.

TOOTING BEC HOSPITAL

TOOTING BEC HOSPITAL,
TOOTING BEC ROAD, S.W.17
Locum Pharmacist
required for two weeks from June 8, 1959.
Salary by arrangement. Accommodation can be
made available in the Male or Female resident
homes, at moderate cost if required. Apply to
the Chief Pharmacist. C 460

UNIVERSITY COLLEGE

HOSPITAL,
GOWER STREET, W.C.1
Locum Pharmacist
required immediately. Salary £16 16s, per week.
Written applications with names of two referees to 1. F. W. Mackeown, Administrator
ond Secretary. C 9268 and Secretary.

WEST MIDDLESEX HOSPITAL, ISLEWORTH, MIDDLESEX Pharmacist for Main Pharmaceutical Department, Sala

for Main Pharmaceutical Department, Salary £605-£815 per annum, plus London Weighting. Whitley conditions and assimilation point in salary scale according to experience, Apply giving age, qualifications and experience, with names of referees to the Chief Pharmac st.

WINWICK & NEWCHURCH HOSPITAL MANAGEMENT COMMITTEE

Applications are invited for the post of Senior Pharmacist in the Group Pharmaceutical Department at Winwick Hospital (2,305 beds). Salary £675—£865. Applications, giving date of birth, full particularly services of the particular of the post of the po

lars regarding qualifications, and experience together with names and addresses of two referees should be forwarded to the Secretary (Ref.: C&D/122), Winwick Hospital, Warring-

WEST MIDDLESEX HOSPITAL, ISLEWORTH, MIDDLESEX Assistant-in-Dispensing

Assistant-in-Dispensing required in Pharmaceutical Department for varied duties, Salary £395 per annum at age 22, rising to £510, plus London Weighting. (Additional payment of £20 per annum for suitable qual.fications.)

Apply giving names of two referees to the Chief Pharmacist.

WHITTINGTON HOSPITAL

Pharmacist
required in Department of seven including clerk.
Salary £635-£845, Candidates may visit the department by direct arrangement with the Medical Superintendent (Archway 3070, Ext.: 440).
Applications, stating age, qualifications, experience and naming two referees to Medical Superintendent, within ten days. C 9258

SITUATIONS VACANT RETAIL HOME

ASSISTANT PHARMACIST, Pharmacist, ASSISTANT PHARMACIST. Pharmacist, male or female, required as assistant Eastern Enfield branch to take charge of dispensary. Congenial position for one whose main interest lies in dispensing. Permanent position with prospects of advancement, Adequate supporting staff. Salary in region of £1,000 p.a. plus other emoluments. Superannuation scheme. T.U. membership, Apply in writing to General Manager, Enfield Highway Co-operative Chemists, Ltd., 112 Ordnance Road, Enfield, Middlesex.

LIVERPOOL. Pharmacist required to manage branch pharmacy on new housing estate shopping centre. Permanent position, Salary £1,040 per annum, No rota or Sunday duties. Dispenser and full supporting staff. Apply by letter to Metcalfe & Co., Ltd., 596 Prescot Road, Liverpool, 13.

OLDHAM CO-OPERATIVE OLDHAM CO-OPERATIVE CHEMIS 15, LTD., invite applications for position of pharmacy branch manager, either sex. Modern accommodation available if necessary. Superannuation, Salary and other emoluments at least 2960. Applications, stating age, experience, etc., to Oldham Co-operative Chemists, Ltd., King Street, Oldham.

PERTH. Pharmacist-manager required for branch shop. Good-class trade. Easily run. Good staff. Would suit recently qualified pharmacist wishing to gain Managerial experience. Harry R. Milne, M.P.S., 1 York Place, Perth. C 2234

PHARMACIST assistant lady or gentleman, dispensing and supervision. No clerical work. No Sundays. Hours alternate weeks 9 a.m. to 5 p.m., half-day Saturday; 5 p.m. to 11 p.m., half-day Thursday, Good supporting staff. Full particulars to Ivor Jones (Liverpool), Ltd., 374 Park Road, Liverpool 8, Lancs. C 2237

WHOLESALE

ASSISTANT ANALYST with qualification or experience for food factory near Watford; five-day week, canteen, etc. Please write giving details and salary required to Box C 9266.

EVANS MEDICAL SUPPLIES, LTD., Ruislip, have vacancy for storekeeper in proprietaries department. Apply in writing, stating age and C 9267

EXPERIENCED perfumery and toilet preparation representative required to call on wholesale and retail chemists, hairdressers and stores in the Witshire, Somerset and Dorset area, Salary, commission and expenses. Car supplied. Write with full particulars, age, experience, etc., to Sales Manager, Potter & Moore, Ltd., Lavender House, London, E.10. C 9246

LABORATORY ASSISTANT required, G.C.E. advanced level preferred but ordinary level considered, Excellent opportunities for advancement and time allowed for study, Apply Mr. Evans, Director, L'Oreal Labs., Higham Road, Chesham, Bucks.

Situations Vacant—Continued

MAN OF 27 TO 30 with some years of experience in export procedure required by firm in London. Knowledge of pharmaceutical or chemical industry preferred. Progressive position. Five-day week. Exceptional pension scheme. Send full details to the Secretary, Roche Products, Ltd., 15 Manchester Square, London, W. 1.

MANUFACTURING CHEMIST

A manufacturing chemist, preferably with a pharmaceutical qualification, and having experience of tablet making, is required for the modern production laboratories of Warner-Hudnut, Eastleigh, Hampshire, Initially the post will be concerned with the manufacture of rablets extending later to production of tablets, extending later to production of established cosmetic and other pharma-ceutical products of this international

The post is particularly suitable for a young qualified man with experience in tablet manufacture but who wishes to gain wider manufacturing experience; age is not, however, critical. An appropriate salary will be paid dependent upon experience and qualifications. The Company operates a generous non-The Company operates a generous non-contributory pension scheme and has a progressive personnel policy. Efforts will be made to meet holidays arranged for this year. Write full details to Personnel Monager at above address. C 9259

ORDER CLERKS. The British Drug Houses Ltd., require clerks with a sound knowledge of ethical and proprietary medicines for telephone cthical and proprietary medicines for telephone order and pricing work. Applicants should have experience in the wholesale distribution trade. Five-day week, canteen. Apply in writing stating age, experience and salary required to the Staff Manager, Graham Street, City Road, C 9222

PHARMACIST SUPERINTENDENT required by rapidly expanding company manufacturing dietary aids, for their modern factory 20 miles north of London. Pension scheme, paid holiday this year. Full details of past experience, which will be treated in strict confidence to Box C 9249.

PROCESS WORKER with experience in the production of pharmaceutical and toilet preparations required by old-established Company in North London, Excellent opportunity for keen and energetic applicant. Five-day week, Noncontributory pension scheme, Apply giving details of age and experience to Box C 9247.

REPRESENTATIVE

Required by manufacturers of Specialised Surgical Dressings to call on HOSPITALS in the East of Scotland. This is an immediate appointment providing excellent remuneration. Only a man with proved ability and existing connections will be considered. Reply in the first instance with full details to Box C 9260.

WM. FREEMAN & CO., LTD., require the services of an experienced representative for the western halves of the Counties of Westmorland, Laneashire and Cheshire, and North Wales, A connection with retail chemists and hardware dealers an advantage, residence in territory essential. Remuneration by salary, commission and expenses. Staff superannuation scheme. Car owner essential. Applications in writing to General Sales Manager, Suba Seal Works, Peel Street, Barnsley, Yorkshire.

C 9250

PROGRESSIVE CAREERS IN AROMATICS, FLAVOURS AND PHARMACEUTICALS

StaffordAllenS-

leading manufacturers of flavouring products for foodstuffs, other aromatics, pharmaceuticals, etc., offer progressive careers in an old-established firm with a proud reputation for quality and reliability. Headquarters and various manufacturing departments are at Wharf Road, London, N.1. The main works and herb farms are 60 miles out at Long Melford, Suffolk. A pension scheme and housing assistance are available.

ASSISTANT PRODUCTION MANAGER

To work at Long Melford we require a Chemist with a pharmaceutical qualification and experience of process control. This is an important position in the organisation and the man appointed will deputise for the Production Manager.

PRODUCTION CHEMIST

Also for Long Melford we need a junior qualified chemist, preferably with pharmaceutical experience.

The above are permanent, progressive jobs providing excellent opportunities for managerial advancement. Apply in confidence, with full particulars of qualifications and experience, mentioning P.C.2, to Mr. A. W. Allen, Stafford Allen & Sons Limited, Long Melford, Sudbury, Suffolk.

SALES ASSISTANT, 25-30 years, required by chemical manufacturers, Knowledge of chemicals preferred but not essential, Salary £500 per annum. Good future for man with initiative, Apply to the Sales Manager, Carnegies of Welwyn, Ltd., Welwyn Garden City.

AGENTS WANTED

AGENTS with established connections amongst retail chemists required in all parts of the country to introduce an old-established line not previously offered and without competition in that field. Sole territorics granted to the right man with generous commission in orders and repeats. All replies will be treated in confidence. Box C 2230. AGENTS with established connections amongst

AGENTS required by manufacturers of 100 per cent, new toilet product with tremendous sales appeal. Agents must have established connections with wholesale and retail chemists, departmental stores and co-ops, Please state exact territory covered. Box C 9274.

AGENT required for well-advertised proprietary to cover Durham, Northumberland and North Riding of Yorkshire, Agent must have estab-lished connection with wholesale and retail chemists. Box C 9275,

BUYING AGENTS required in most areas for fast-selling, quick-repeating line, light to carry, 25 per cent, commission, Must have good retail connections. Please state area covered. E.P.S. Co., Bradshaw, Bolton.

MANUFACTURER of outstanding high-potency vitamin products requires additional representa-tive on commission basis already calling on chemists, Only representatives with the highest references need apply. Write Box C 9233.

SITUATIONS WANTED **RETAIL HOME**

PHARMACIST, at present in retail, family reasons, desires return to general or sterile manufacturing shortly. Provinces or outside London, Box C 2241.

BUSINESS OPPORTUNITIES

PRIVATE exempt registered company for sale with £2,000 agreed tax loss, registered trade mark and unique cosmetic product, Owner too busy in other directions to develop, Apply

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BUYER specialises in disposing of job lots of any lines appertaining to pharmacy. Any quan-tity considered, Prompt cash settlement. Willing to discuss adaptation of any line which is not quite suitable in its present state. Pleas send samples and full details to N, Morris, 218 Walworth Road, S.E.17, Tel, No.: ROD. 7261

RIKER LABORATORIES LIMITED

wish to engage a number of medical representatives. The vacancies are in the following areas:—

- 1. Northumberland, Westmorland, Cumberland. 2. Staffordshire. 3. Central Scotland.
- 4. North Essex and Suffolk. 5. Worcestershire and East Warwickshire. 6. East Hampshire and West Surrey. 7. West and North Wales. 8. Cornwall, North Devon and North Somerset. 9. Eire. 10. Northern Ireland. 11. West Kent and East Sussex.

Applications are invited from:-

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Previous experience is not essential as a full and comprehensive training will be given.

2. RETAIL PHARMACISTS (Up to 55 years of age)

There are many advantages (e.g. five day week, Pension, Company car, etc.) in taking up Medical Representative work with Riker. Our selection procedure is lengthy and carefully designed. An applicant can be sure that if he is selected, he will not find this kind of work unsuitable for him.

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Perhaps we can offer you the opportunity for which you have been looking. Riker offer working conditions among the best in the Pharmaceutical industry. We should be happy to talk things over with you. You need only write to the Home Sales Manager for an appointment.

RIKER are not yet ten years old in this country but already have an enviable record of progress in the Pharmaceutical industry through the efforts of our present staff. The Riker range of products is fast increasing and several more high calibre men are needed to complete our representative force.

We are not worried about upper age limits providing the previous experience is right. There is also the possibility of working overseas. Interested pharmacists and medical auxiliaries should write first to the Personnel Manager, Riker Laboratories Limited, Morley Street, Loughborough, Leics.

C 9205

Someone's going to be lucky

This advertisement will mean that I shall be tied to my desk sorting applications and selecting candidates for interview. The ideal reply will be from a pharmacist or chemist who has a good working knowledge of two or more European languages, who has a good personality and, above all—ideas. He will receive a thorough training of the ways in which problems are handled by the Medical Division of Bayer Products Ltd. where, among other duties, he will deal with technical queries from European countries. If you think you will qualify, please write to our Personnel Officer, Bayer Products Ltd., Neville House, Eden Street, Kingston-on-Thames.

C 9265

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Good Salary, exceptional pension scheme, full expenses; successful applicants are assisted to own their own cars. First-class candidates desiring success and security should apply with full details to the Secretary, Roche Products, Limited, 15 Manchester Square, London, W.1. Applications will be treated as confidential.

PHARMACIST FOR ONTARIO, CANADA

Assistant manager, retail store. Opportunity for advancement. Salary £1,380 per annum, Would consider repayable loan to help with air passage, if available at once. Send photo and names of two references to:

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WE WILL PURCHASE for cash a complete stock, a redundant line, including finished or partly finished goods, packing raw materials, etc. No quantity too large. Our representative will call anywhere. Lawrence Edwards & Co., Ltd., 6/7 Wellington Close, Ledbury Road, London, W.11. Tel.: Bayswater 4020 and 7692. C 140

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TRADE MARKS REQUIRED. Reasonable price paid for suitable registered trade marks in pharmaceutical class, Business and stocks not wanted. All details to Box C 2217. IMMEDIATE ADVANCES £50 to £20,000 WITHOUT SECURITY

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Phone: Regent 5983 & 2914 C 353

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SANITARY TOWELS. 370 gross, in packets of 1 dozen, under plain label or brand, offered for sale in one lot at give-away price to clear.

FOR SALE, Three single-punch tablet machines, Manesty type F2. Motorised 415/3/50. Motor H.P.2. Motor speed 1,415. Purchased 1945-46. Complete and in running order. Offers invited, Apply to Purchasing Department, Vitamins, Ltd., Upper Mall, Hammersmith, W.6.

FOR SALE. Dispensing and counter scales, weights, stamped measures. Three mortars, pestles, slab, rods, funnels, spatulae, etc. New Waymaster bathroom scales, new Pico electric massager. The lot, £20, plus carriage, Campbell, 30 Richmond Gardens, Longlevens, Gloucester. C 2243

PURDY junior World labelling machine, 230 volts, New Era Laboratories, Ltd., Cecil House, Holborn Viaduct, London, E.C.1. Phone: Cen. 6778.

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Health Committee invite quotations for supply of drugs, chemicals, and medical sundries for City Health Centres, etc., for six months commencing July 1, 1959.

1959.
Forms of tender from Medical Officer of Health, Central Health Clinic, G.P.O. Box No. 201, Tower Hill, Bristol 2, to be returned in a plain scaled envelope by 10 a.m., May 30, superscribed to show goods tendered for, but with no name or mark indicating sender. sender. Lowest or any tender not necessarily

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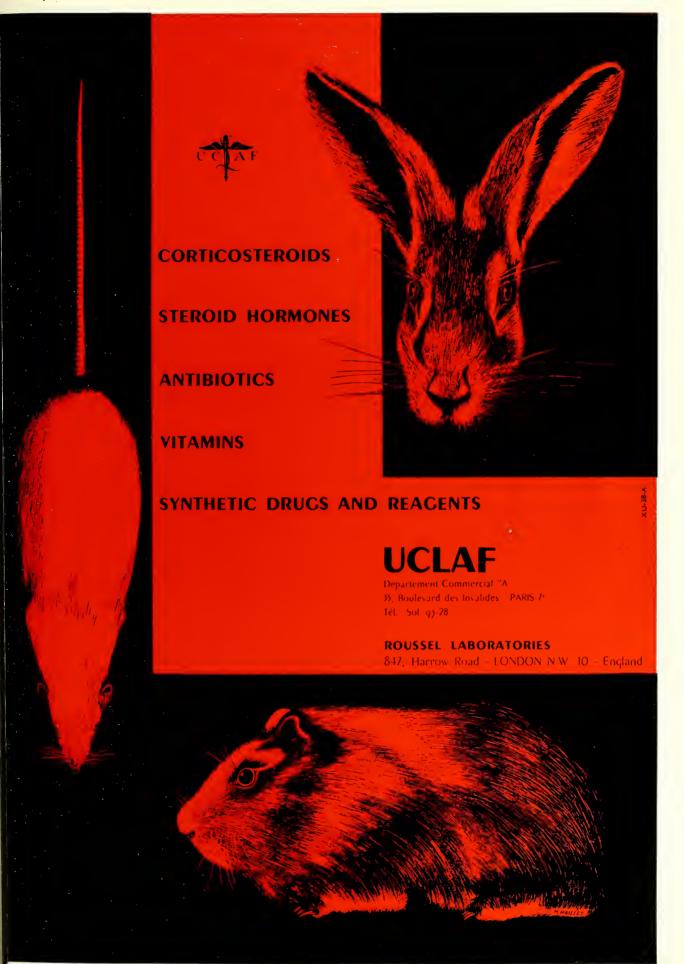
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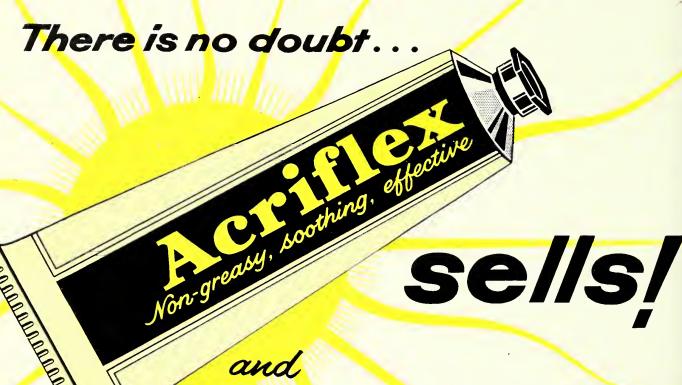


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